

West Lancashire Rural District
Council.



Annual Report
FOR THE YEAR 1920.



MEDICAL OFFICER OF HEALTH :
GEORGE EDWARD SCHOLEFIELD, M.B.E.,
M.D., EDIN., D.P.H., VICT.,
Hon. Assoc. Order of St. John of Jerusalem in England.

West Lancashire Rural District Council, 1920.

Chairman .. HENRY UNDERWOOD.

Vice-Chairman .. JOHN PIMBLEY.

Altcar	..	..	REV. JOSEPH LLEWELLYN.
Aughton	..	..	HENRY UNDERWOOD.
„			RICHARD ROTHWELL.
Bickerstaffe	..	..	RICHARD RIMMER.
„			THOMAS HEYES.
Bispham	..	..	THOMAS ASPINWALL.
Downholland	..	..	JOB SUMNER.
Halsall	..	..	JOHN HARRISON.
Hesketh	..	..	WILLIAM IDDON.
Lydiate	..	..	PETER LOVELADY.
Maghull	..	..	JOHN PIMBLEY.
Melling	..	..	RICHARD SUMNER.
North Meols	..	..	WILLIAM CAUNCE.
Rufford	..	..	JAMES CAUNCE.
Scarisbrick	..	..	BERNARD H. HOLMAN.
„			PETER RIMMER.
Simonswood	..	..	WILLIAM LEDSON.
Tarleton	..	..	ROBERT LATHAM.

Annual Report for 1919.

*To the Chairman and Members of the West Lancashire
Rural District Council.*

GENTLEMEN,

I have pleasure in presenting for your consideration my Twenty-third Annual Report, dealing with the Vital Statistics, the Public Health, and the Sanitary work of the District during the year 1920.

POPULATION.—The Registrar General estimates this at 20,032 for both Birth-rate and Death-rate. This is 35 less than that for the Birth-rate of 1919, and 158 more than that for the Death-rate for 1919.

BIRTH-RATE.—The number of Births registered belonging to the District was 433, an increase of 74 over the number for the previous year. Two hundred and seven were boys and 226 were girls. This gives an Annual Birth-rate of 21·6 per 1000 of the estimated population, which is 3·8 above that for 1919, and 2·4 above the average of the 10 preceding years. Nineteen Births were illegitimate, which is 4·4 per cent. of the total number of Births.

DEATH-RATE.—The number of Deaths registered during the year was 204, and after adding those that occurred in other districts, who were residents in West Lancashire, and deducting non-residents, the net total was 219, of which 107 were males and 112 females. This gives an *Annual Death-rate* of 10·9 per 1000 of the population, which is 5·9 below that for 1919, and 2·1 below the average of the 10 preceding years.

EPIDEMIC DEATH-RATE.—Sixteen Deaths were due to the principal Epidemic Diseases, which gives an *Epidemic Death-rate* of $\cdot 79$ per 1,000, which is $\cdot 43$ above that for 1919, and $\cdot 13$ above the average of the 10 preceding years. Three of the deaths were due to Measles, five to Whooping Cough and eight to Diphtheria.

INFANTILE MORTALITY-RATE.—Twenty-two deaths of children under one year of age were registered, which gives an Annual Infantile Mortality-rate of 50 per 1000 Births, which is 36 less than that for 1919, and 33 below the average of the 10 preceding years. Two of the deaths were of illegitimate children, which is 9 per cent. of the total Infantile Deaths.

Commenting on the deaths due to some of the other diseases, 16 were due to Pulmonary Tuberculosis with a rate of $\cdot 79$, which is $\cdot 12$ above that for 1919, and $\cdot 11$ above the average of the 10 preceding years; six were due to Influenza, a rate of $\cdot 29$ against $3\cdot 9$ for the preceding year; 28 to Bronchitis, Pneumonia, and other Respiratory Diseases, with a rate of $1\cdot 39$, that for 1919 being $2\cdot 3$; 21 to Heart Diseases, with a rate of $1\cdot 04$ against that for 1919 of $1\cdot 6$; Cancer had 23 deaths, while in the previous year there were 22.

The table following compares the foregoing rates with those for England and Wales.

DEATHS AND OTHER RATES FOR ENGLAND AND WALES
AND THE WEST LANCASHIRE RURAL DISTRICT.

	Birth-rate per 1000 living.	Death-rate per 1000 living.	Epidemic Death-rate per 1000 living.	Infant Mortality per 1000 Births.
England and Wales ..	25·4	12·4	—	80
West Lancashire Rural District	21·6	10·9	·79	50

The figures under Epidemic Death-Rate do not include deaths due to Diarrhœa.

INFECTIOUS DISEASES.

Including notifiable and non-notifiable, 612 cases of Infectious Disease came to my knowledge during 1920, in 453 different houses. This is an increase of 416 over the number for the previous year, the increase being accounted for in the number of cases of Measles and of Whooping Cough in excess of that of 1919, there being 409 more cases of Measles and 33 more of Whooping Cough. There were 18 fewer cases of Pneumonia notified. In addition to the cases notified by medical practitioners, school teachers reported 369 cases of Measles and 29 of Whooping Cough ; school attendance officers, seven of Measles ; parents, 22 of Measles and one of Diphtheria ; registrars, three of Whooping Cough ; and inquiry brought out one of Diphtheria, and one of Whooping Cough.

SCARLET FEVER.

Houses Infected, 24. Cases, 28.

There were four more cases than in the previous year, but at no time was there any appearance of the disease taking on an epidemic character. The townships affected were :—Altcar, four houses, four cases ; Aughton, five houses, six cases ; Bickerstaffe, one house, two cases ; Downholland, one house, two cases ; Halsall, two houses, two cases ; Lydiate, three houses, three cases ; Maghull, two houses, two cases ; Scarisbrick, six houses, seven cases.

DIPHTHERIA.

Houses infected, 45. Cases, 51. Deaths, 8.

There was one more case than in the previous year, the disease being very prevalent more or less throughout the year, and the number of cases being much above the average. Aughton was again the township which suffered most, though the influence of attendance at school was less marked than in the previous year. The cases occurred in the following townships :—Aughton, nineteen houses, twenty-two cases, two deaths ; Bickerstaffe, six houses, six cases ; Halsall, two houses, two cases ; Maghull, one house, one case ; Melling, five houses,

seven cases, three deaths ; North Meols, five houses, five cases, one death ; Scarisbrick, six houses, six cases, one death ; Tarleton, one house, two cases, one death. The number of deaths, eight, was above the average, and in the case of five of them, the disease had made such progress before being seen by a medical man, that they were beyond hope, the parents not having recognised the seriousness of the illness.

MEASLES.

Houses Infected, 331. Cases, 424. Deaths, 3.

This disease was prevalent during the greater part of the first half of the year. Banks, Tarleton, Melling, Hesketh, and Bickerstaffe, being the townships which suffered most. The most serious outbreaks occurred during the months of April, May, June and July, which probably accounts to some extent for the low mortality. I considered it advisable to close the Melling C.E. School, St. Stephen's School, and the Primitive Methodist School, Banks ; Holy Trinity, Tarleton, and Rufford C.E.

WHOOPIING COUGH.

Houses Infected, 28. Cases, 37. Deaths, 5.

Was more prevalent than in the previous year, and was the cause of five deaths. Rufford C.E. School was closed during part of October and November, on account of the number of cases in the township.

ERYSIPELAS.

Houses Infected, 8. Cases, 8. Death, 1.

One death occurred from this disease, the seat of the illness being the face.

MALARIA.

Houses Infected, 5. Cases, 5.

In all cases the disease had in the first instance been contracted abroad.

DYSENTERY.

A death was registered as being due to this disease, but as the case was not notified by the medical attendant nor by the Registrar, otherwise than in his monthly return, I was unable to have a sample of the patient's fæces examined in order to determine the correctness of the diagnosis. On inquiry I found that the patient had not been abroad, and that she had resided in the neighbourhood for many years, and had not suffered in any like manner during her life. After a conversation with the medical attendant, I considered that the case was probably one of very severe Diarrhœa.

TUBERCULOSIS.

Twenty-three cases of Tuberculosis were notified. Seventeen were pulmonary, and six in other parts of the body. There were six deaths from the affection where the seat of disease was the respiratory organs, and five where it was in other regions.

OPHTHALMIA NEONATORUM.

Two cases of this disease were notified. Both were mild and recovered without any opacity being left behind.

PNEUMONIA.

There were 31 cases in 29 houses notified, with 12 deaths. The cases were fewer, but the case mortality was higher than in the previous year.

There were no cases of Small-pox during the year, neither were there any cases of Enteric Fever.

ISOLATION AND DISINFECTION.

All houses in which cases of an infectious nature are known to exist, whether notified by medical men or not, are visited, an endeavour being made to discover the source of the infection and frequently much valuable information is gained, and other cases are often brought to light.

Instructions are given to the householders regarding the precautions that should be taken to prevent, if possible, further spread of the disease, and a copy of the " Rules and Regulations to be observed in the Management of Infectious Diseases " is left at the house, and should the disease be Scarlet Fever, an additional leaflet is left, drawing attention to the responsibilities and liabilities of parents in regard to the notification and the prevention of the spread of the disease. The leaflets are also distributed among the parents of children who are attending a school in which cases of Scarlet Fever have occurred. It is not unusual for parents to consider that a mild attack of Scarlet Fever is Measles, and in this way much mischief is done by the patient being allowed to mix with other children while in an infectious state. Leaflets giving information regarding Measles are also, when necessary, supplied to school teachers for distribution.

Izal is supplied in all cases by the Inspector to persons in whose houses there are cases of infectious disease, if application is made for it.

At the termination of all cases of Diphtheria, Enteric Fever, Puerperal Fever, Scarlet Fever, Tuberculosis and Small-pox, the hospital porter proceeds to the house, and thoroughly disinfects the rooms where the patients have been, removing to Holly House for steam disinfection everything that may require it.

HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASE.

" Holly House," Aughton, formerly a country residence, was acquired by the District Council, and after alterations had been made so as to provide accommodation for eight Scarlet Fever and two Enteric Fever cases, it was opened for the admission of patients on February 9th, 1897. Attached to the establishment is a " Thresh " Steam Disinfecter, and there is also a Brougham Ambulance and Bedding Van. Along with the house there are four acres of land.

A new Pavilion was opened in July, 1902, for the reception of cases of Scarlet Fever.

Two new small wards were added at the beginning of 1911, giving accommodation for 6 more patients. At the same time some much-needed accommodation for the resident staff was provided.

The Urban District of Croston, the Urban District of Skelmersdale, and the Ormskirk Guardians (for the Workhouse and Schools) have agreements with the Council by which they can send patients to the hospital.

The following is a summary of the work done at the hospital during the year :—On January 1st there were seven cases of Scarlet Fever and nine cases of Diphtheria in hospital, and during the year there were admitted 33 cases of Scarlet Fever and 47 cases of Diphtheria, making 80 in all.

The cases were from the following townships :—Scarlet Fever : Altcar 4, Aughton 6, Bickerstaffe 2, Downholland 2, Halsall 1, Lydiate 3, Maghull 2, Scarisbrick 7, and 6 were admitted from Croston. Diphtheria : Aughton 23, Bickerstaffe 5, Halsall 1, Melling 6, Maghull 1, North Meols 3, Scarisbrick 6, Tarleton 2.

Thirty-four cases of Scarlet Fever and 48 of Diphtheria were discharged, and there were six deaths due to Diphtheria.

Ninety-six per cent. of the ascertained cases of Scarlet Fever in the District were admitted to hospital, and 92 per cent. of the cases Diphtheria.

The average length of residence in hospital of those suffering from Scarlet Fever was six weeks and five days, and of those suffering from Diphtheria, five weeks and six days. The average of those who died was four days.

The average number of cases in hospital per week was 11·9, the highest number at any one time being 18, and the lowest 3.

The outside work done was as follows :—71 journeys with the ambulance, 103 with the bedding van, and 58 by cycle ; 275 rooms have been disinfected in 120 houses ; the disinfectant has been used 90 times, and 3019 articles were disinfected. Included in the above were six journeys with the ambulance and 22 with the bedding van to Croston ; 22 rooms in nine houses were disinfected, and the disinfectant was used 11 times. To Skelmersdale there were 14 journeys with the van, the disinfectant was used seven times for 126 articles.

The house and grounds under the Matron's supervision, have been kept in good order.

BACTERIOLOGY.

One hundred and eighteen swabs from throats and noses were sent away to be examined and reported upon. Fifty-six of these were positive, 59 negative, and three were sterile. Three specimens of blood were sent, one of which was feebly positive, and the other two were negative to Typhoid and Para-typhoid reaction. A sample of water was sent from premises on which a person died, the cause being registered as Dysentery, *Bacillus Coli* were found.

SCHOOLS.

There are 23 Elementary Schools in the District. All are supplied with water from public service. The sanitary arrangements are on the whole satisfactory, only 2 being connected with main sewers.

EXCLUSION OF INDIVIDUAL CHILDREN FROM SCHOOL.

When cases of infectious disease appear in a school, attempts are made in the first instance to prevent the disease

spreading, by not only excluding the patient, but also all other members of the family, and any other children who have been directly exposed to infection ; in this way the outbreak is frequently limited to a few cases, and it is unnecessary to close the school. Exception to the foregoing rule is sometimes made in the case of Measles and Whooping Cough, where those who have been exposed to infection have already had the disease.

SCHOOL CLOSURE.

The following schools were closed for the periods and diseases mentioned :—

Melling Church of England from January 26th until February 23rd, on account of Measles.

St. Stephen's, Banks, from April 26th until May 17th, on account of Measles.

Primitive Methodist School, Banks, June 2nd to June 21st, on account of Measles.

Holy Trinity, Tarleton, the infant department from June 6th until June 21st, and the whole school from the latter date until July 5th, on account of Measles.

Rufford School, from July 8th to 16th, on account of Measles, and from October 20th until November 8th, on account of Whooping Cough.

PHYSICAL FEATURES AND GENERAL CHARACTERISTICS OF THE DISTRICT.

Although containing an area of 61,600 acres, the physical features of the District do not vary very much. The township of North Meols which lies to the West, is flat and low, with sluggish natural drainage. The greater part of the several townships of Altcar, Downholland, Halsall, Hesketh, Lydiate, Maghull, Scarisbrick, and Tarleton are also low and flat, but with slight undulations in places ; while Aughton, Bickerstaffe, Bispham, Melling, Rufford, and Simonswood are all more or less undulating. At no part, however, is the altitude over 300 feet above sea level.

The population very largely consists of farmers and people connected with the farming industry. Aughton, Maghull, Scarisbrick and Tarleton, have, in addition, a considerable number of residents who are engaged in business in Liverpool, Preston, Southport, and other towns.

SEWERING AND DRAINING.

AUGHTON.—In this township about three-fourths of the houses are connected with the system of sewers. The sewage from the southern watershed is carried to outfall works at the south-west of the township, where it is treated with Alumino-Ferric, and allowed to settle in four open tanks from which it flows on to land for treatment by downward filtration. Good results are still got from that portion of the land which is covered with clinkers and cinders. The sewage from the northern watershed is, by agreement with the Ormskirk Urban District Council, received into the sewers of that place, and is carried to outfall works in Scarisbrick.

BICKERSTAFFE.—A small portion of this township which lies close to Ormskirk is, by agreement, connected with the sewers of the Urban District Council.

CESSPOOL SYSTEM.

In the great part of the District this system, with its attendant disadvantages, is the only available means of dealing with the sewage. In the more sparsely populated parts of the District where land is sufficient for the purpose, with ordinary care, a cesspool does not become a nuisance; but if the amount of land is insufficient, or the people are careless a nuisance quickly arises. There has been this difficulty in past years in Banks, and many nuisances have been caused, some of which have been very difficult to remedy, but I am now pleased to report that arrangements have been made to empty all cesspools that are liable to become a nuisance, by contract, the Council providing a specially constructed cart for the purpose.

HOUSE DRAINS.

Throughout the District generally these are fairly satisfactory. Inspections are continually being made, and defects as found, are remedied ; the report of the Inspector, which follows, showing the work done in that department.

DISPOSAL OF EXCREMENT.

In Aughton where there is a system of sewerage, excrement is largely disposed of by water carriage ; also many of the larger houses in other parts of the District have water carriage from the house, but with the exception of a few houses in Tarleton, which are in close proximity to a tidal river, the connection is with a cesspool. The majority of the rest are provided with privy ashpits, built on a plan which some years ago was approved by the Local Government Board's Inspectors and is as satisfactory as anything of the kind can be. Old fashioned deep privy middens are still found in the course of inspection, but are growing less in number year by year.

There are approximately in the whole District 3281 privy middens, 693 water closets, 429 pail closets, and 30 waste water closets. There are 1016 dry ashpits, and 82 portable receptacles for refuse. During the year, two privy middens and two privy ashpits have been converted into pail closets.

SCAVENGING.

In Aughton and North Meols scavenging is done by contract with satisfactory results. In the other parts of the District householders have to make their own arrangements for the removal of the refuse.

A reference to the Inspector's report will show the amount of work done during the year in this department.

FOOD.

The milk supply has been better in quantity than in the previous year, and on the whole good in quality. One farmer was fined £2 and costs for selling adulterated milk

at Maghull. The Foods and Drugs Acts are administered by the County Police, and I am indebted to Superintendent Crapper, of Ormskirk, for the above information, and also for the facts that 32 other samples were taken in that part of the district which is in the West Derby Hundred, and to Superintendent Marshall, of Chorley, for the information that four samples of milk and eight samples of other foods were taken in the northern townships, no prosecution following.

In addition to the foregoing, Mr. Ainsworth, Inspector for the northern area, found seven tins of preserved fruit in Rufford, which were unfit for use and were destroyed.

DAIRIES, COWSHEDS AND MILKSHOPS ORDER.

There are 46 Dairies, Cowsheds and Milkshops in the District. Ninety-eight inspections were made, and eight were found to require lime-washing, which was done on request. Two new ones have been registered, and three have been done away with, making one less than in 1919.

SLAUGHTER HOUSES.

These have been regularly visited, and have been found in a satisfactory condition.

One carcase of meat was examined at the slaughter-house used by Mr. Richard Haskayne, Aughton. It was condemned as unfit for food.

No carcasses have been found with any evidence of Tuberculosis.

	In 1914.	In Jan. 1920.	In Dec. 1920.
Registered	6	5	5
Licensed	1	—	1
	—	—	—
	7	5	6

BAKEHOUSES.

These have been regularly visited and found satisfactory.

WATER SUPPLY.

The District is, on the whole, well supplied with water of excellent quality. The Southport, Birkdale, and West Lancashire Joint Board acquired two wells in Aughton, another has been sunk in Bickerstaffe, and a fourth has been secured from the Urban District Council of Skelmersdale ; and from this Board's service nine townships are more or less supplied. Two receive their supply partially from the Ormskirk Urban District Council, two from the Preston Rural District Council, two from the St. Helens Corporation, and one from the Lathom and Burscough Urban District Council. A reference to the Table following will show the number of houses supplied from each source.

As near as can be ascertained there were at the end of the year 4056 houses supplied with water from the public mains, an increase of 18 over 1919. This is 87.4 per cent. of the inhabited houses in the whole District.

HOUSES SUPPLIED BY PUBLIC SERVICE AT THE END OF 1920.

1920.	Wigan Rural District Council.	Lathom and Burscough Main.	Liverpool Corporation.	Ormskirk Urban District Council.	Preston Rural District Council.	St. Helens Corporation.	Southport Joint Water Board.	TOTALS.	Increase during the year.	Percentage of Inhabited Houses thus supplied.
ALTCAR	59	59	...	61·3
AUGHTON	62	...	...	724	786	3	93·2
BICKERSTAFFE	55	...	...	260	315	...	80·5
BISPHAM	2	...	...	...	...	...	...	2	...	3·4
DOWNHOLLAND	131	131	..	87·3
HALSALL.....	272	272	...	80·1
HESKETH	260	...	42	302	8	98·5
LYDIATE	149	149	2	66·2
MAGHULL	4	288	292	...	93·0
MELLING	1	...	...	210	...	211	...	96·8
NORTH MEOLS	1	...	390	391	...	94·9
RUFFORD	179	...	...	...	...	...	179	...	90·8
SCARISBRICK	6	...	...	...	...	431	437	1	83·5
SIMONSWOOD	49	1	49	...	76·6
TARLETON	481	...	...	481	4	98·7
TOTALS FOR DISTRICT }	2	185	1	117	742	263	2746	4056	18	87·4

SANITARY ADMINISTRATION.

The Sanitary Staff consists of two Inspectors of Nuisances, the District being divided for convenience of administration into Northern and Southern areas.

From the Table appended it will be seen that they dealt with 284 nuisances, making 517 inspections. Two hundred and forty-one were abated, 174 without service of notice. In 63 cases informal notices were served, 58 being complied with, and four cases required statutory notices, two being complied with at the end of the year.

A summary of the work done by them in each township is appended.

The Authority has adopted the Infectious Diseases Prevention Act, 1890, and the Public Health Acts Amendment Acts of 1890 and 1907.

FACTORY AND WORKSHOPS ACT, 1901.

There were 122 Workshops at the end of the year, a decrease of four. Four new ones have been registered, seven have been transferred, and eight have been closed. Want of cleanliness was found in 10 cases, and notices were served in two cases in order to get the work done.

ANNUAL REPORT FOR THE YEAR ON WORKSHOPS, WORKPLACES, ETC.

1.—INSPECTIONS—Including inspections made by the Sanitary Inspectors.

Premises.	Number of Inspections.	Number of Notices	Number of Prosecutions.
Factories	—	—	—
Workshops	270	5	—
Workplaces	—	—	—
Homeworkers' prem. . .	—	—	—
Total	270	5	—

2.—DEFECTS FOUND.

Particulars of Defects.	Defects Found.	Defects Remedied.	Reported to H. M. Inspector.	Number of Prosecutions.
Want of cleanliness .	10	10	—	—
Want of ventilation .	—	—	—	—
Other nuisances	—	—	—	—
Total	10	10	—	—

REGISTERED WORKSHOPS.

Bakers	9
Basketmakers	15
Blacksmiths	27
Boatbuilders	1
Dressmakers	9
Joiners	4
Saddlers	2
Shoemakers and Cloggers	20
Tailors	7
Wheelwrights	25
Laundry	1
Tinsmith	1
Motor Engineer	1
Total	122

HOUSING.

The number of houses in the District as given to me by the Assistant Overseers at the end of 1920 was 4612, and of this number about 3300 will come in the category of working-class houses.

There is a shortage of houses in the District which has been estimated at 350, and originally the Council had a scheme for building that number. This scheme was, however, modified to some extent by the fact that the Astland Mill Company, Tarleton, took over the scheme for Tarleton, which reduced the Council's scheme by 60 houses. This left the Council's scheme at the end of the year to be 290 houses, but in view that houses are being erected by private

persons to a greater extent than at one time appeared to be likely, it is very probable that the number to be built by the Council may be considerably reduced.

There is nothing further to report this year on the subject of overcrowding, the condition being much as in 1919, and until there are more houses erected by the Council or by private owners there can be little amelioration of the conditions as reported last year.

The general standard of the houses in the District is fairly good except in the older class of house, where there is no damp course. The defects in the unfit houses chiefly consist of damp, and dilapidations caused by damp, in others the walls and wood work are giving either through age or poor workmanship.

Under the Public Health Act, 1875, 23 orders to execute works were served, 12 were remedied without the service of notice, 38 defective houses were put in order without closing orders, and at the end of the year work was proceeding at 14 others.

The process of remedying unfitness in houses is slow, owing to difficulty in procuring labour, and to the high cost of repairs generally.

The conditions regarding water supply, closet accommodation, and refuse disposal are set out on pages 12, 13, 15 and 16.

Two small portions of the township of North Meols are scheduled as unhealthy areas on account of the houses at some time having been divided into two, although originally built for single dwellings.

Twenty-four houses have been provided for the working-class, 19 being new, and five by altering existing buildings.

One representation was made to the Council that a house in Melling was in such a condition as to be unfit for human habitation, and the owners were called upon to show cause why a Closing Order should not be made ; as there were several persons interested, their representative asked for time to have the house examined by their own architect, and this was granted.

Appended is the Tabular Statement of the Causes of Death.

A Table of the cases of Infectious Disease.

Report of the Inspectors of Nuisances and Tables.

Tables on the Housing Conditions and of the work done.

Annual Report on Canal Boats.

A Table showing the building, etc., operation during the year, kindly supplied by the Chief Surveyor, Mr. R. Rosbotham.

I am, Gentlemen,

Your obedient servant,

GEO. E. SCHOLEFIELD, M.B.E., M.D., D.P.H.,

Hon. Assoc. Order of St. John of Jerusalem in England.

CAUSES OF DEATH IN THE WEST LANCASHIRE RURAL DISTRICT, 1920.

CIVILIANS ONLY.

Causes of Death.	Males.	Females.
All Causes	107	112
Measles	3	—
Whooping Cough	4	1
Diphtheria and Croup	4	4
Influenza	4	2
Erysipelas	—	1
Pulmonary Tuberculosis	7	9
Tuberculous Meningitis	1	—
Other Tuberculous Diseases	2	2
Cancer, Malignant Disease	10	13
Rheumatic Fever	—	1
Meningitis	—	2
Organic Heart Disease	11	10
Bronchitis	5	7
Pneumonia (all forms)	5	8
Other Respiratory Diseases	2	1
Appendicitis and Typhlitis	1	1
Cirrhosis of Liver	1	—
Nephritis and Bright's Disease	3	1
Parturition, apart from Puerperal Fever	—	2
Congenital Debility, &c.	2	6
Violence, apart from Suicide	6	4
Other defined Diseases	36	36
Causes ill-defined or unknown	—	1
Deaths of Infants under one year of age—		
Legitimate	9	11
Illegitimate	—	2
TOTAL BIRTHS	207	226
Legitimate	199	215
Illegitimate	8	11
POPULATION (For Births and Deaths)		20,032

Table showing the number of Houses in each Township and in the whole District known to be Infected during the year, and the numbers of Cases and Deaths.

1920.	Pneumonia.			Scarlet Fever.			Diphtheria and Membranous Croup.			Enteric Fever.			Measles.			Whooping Cough.			Epidemic Diarrhoea.			Erysipelas.			Puerperal Fever.			Malaria.			Totals.		
	H.	C.	D.	H.	C.	D.	H.	C.	D.	H.	C.	D.	H.	C.	D.	H.	C.	D.	H.	C.	D.	H.	C.	D.	H.	C.	D.	H.	C.	D.			
ALTCAR	1	1		4	4								1	2		1	1												7	8			
AUGHTON	12	12	5	5	6		19	22	2				20	23		3	3	4				1	1					62	69	11			
BICKERSTAFFE	2	2	2	1	2		6	6					50	65								1	1	1				60	76	3			
BISPHAM																																	
DOWNHOLLAND				1	2																	1	1					2	3				
HALSALL			2	2	2		2	2					3	4		2	2				1	1					10	11	2				
HESKETH													29	41													29	41					
LYDIATE	3	3		3	3								14	15								2	2				22	23					
MAGHULL	3	3		2	2		1	1					19	21								1	1				26	28					
MELLING	3	5	1				5	7	3				35	45													44	58	4				
NORTH MEOLS		1					5	5	1				106	133	1	2	3										114	142	3				
RUFFORD	1	1											13	19		20	23				1	1				35	49						
SCARISBRICK	4	4	1	6	7		6	6	1									1								18	19	3					
SIMONSWOOD													2	2													2	2					
TARLETON			1				1	2	1				19	54	1												41	57	3				
West Lancashire Rural District	29	31	13	24	28		45	51	8				331	424	2	28	37	5				8	8	1	2	2		5	5	472	586	29	

TABLE SHOWING ERECTION OF NEW HOUSES, &c.,
IN THE DIFFERENT TOWNSHIPS.

Township.	Houses completed.	Alterations, &c.	Drainage.
Altcar	2	—	—
Aughton	4	12	—
Bickerstaffe	—	—	1
Halsall	1	1	—
Hesketh	10	3	—
Lydiate	—	3	—
Maghull	—	1	1
Melling	—	2	—
North Meols	—	2	—
Rufford	1	3	1
Scarisbrick	4	4	1
Tarleton	6	2	—
	—	—	—
Totals	28	33	4
	—	—	—

Twenty-four of the above were working-class dwellings, one a mill at Tarleton, and one a cinema hall at Tarleton.

APPENDICES.

HOUSING CONDITIONS.

STATISTICS.

Year ended 31st December, 1920.

1.—GENERAL.

(1) Estimated population	20,032
(2) General death-rate	10·9
(3) Death-rate from Tuberculosis	·79
(4) Infantile mortality	50
(5) Number of dwelling-houses of all classes ..	4,612
(6) Number of working-class dwelling-houses ..	3,300
(7) Number of new working-class houses erected ..	24

2.—UNFIT DWELLINGHOUSES.

I.—INSPECTION.

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	426
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	426
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	9
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	171

II.—REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	27
---	----

III.—ACTION UNDER STATUTORY POWERS.

B. *Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	23
(2) Number of dwelling-houses in which defects were remedied—	
(a) by owners	50
(b) by Local Authority in default of owners	0

C. *Proceedings under sections 17 and 18 of the Housing, Town Planning, &c., Act, 1909.*

(1) Number of representations made with a view to the making of Closing Orders ..	1
(2) Number of dwelling-houses in respect of which Closing Orders were made ..	0

(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit	0
(4) Number of dwelling-houses in respect of which Demolition Orders were made ..	0
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders	0

REPORT OF THE INSPECTORS ON NUISANCES FOR THE WEST LANCASHIRE RURAL DISTRICT COUNCIL.

To Dr. G. E. Scholefield

(Medical Officer of Health).

Dear Sir,

We have great pleasure in submitting our Annual Report for the whole district, as to the number of matters dealt with under the various Acts relating to Public Health during the year 1920.

ALTCAR.

Registered workshops	1
Workshops transferred under the Factory Acts ..	1
Schools visited	1
Total number of inspections	5

AUGHTON.

Number of nuisances dealt with	67
Number of notices served	20
Number of notices complied with	17
Number of nuisances abated without service of notices	24
Water certificates granted (Public Health (Water) Act, 1878)	2
Houses supplied with water (Public Health Act, 1875)	1
Drains tested	3
Dairies, Cowsheds, and Milkshops	5
Limewashing required	3
Registered slaughter-houses	3
Registered Workshops	14

Scavenging—number of receptacles emptied	..	..	4697
Schools visited	..	..	2
Carcases condemned	..	..	1
Total number of inspections made	..	..	233

BICKERSTAFFE.

Number of nuisances dealt with	..	..	27
Number of notices served	..	..	4
Number of notices complied with	..	..	4
Dairies, Cowsheds, and Milkshops	..	..	1
Lime-washing required	..	..	1
Registered Workshops	..	..	10
Schools visited	..	..	1
Total number of inspections made	..	..	74

BISPHAM.

Number of nuisances dealt with	..	..	4
Number of notices served	..	..	1
Number of notices complied with	..	..	1
Dairies, Cowsheds, and Milkshops	..	..	1
Registered Workshops	..	..	7
Schools visited	..	..	1
Total number of inspections made	..	..	23

DOWNHOLLAND.

Number of nuisances dealt with	..	..	3
Registered Workshops	..	..	3
Schools visited	..	..	1
Total number of inspections made	..	..	13

HALSALL.

Number of nuisances dealt with	..	..	5
Number of notices served	..	..	2
Number of notices complied with	..	..	2
Dairies, Cowsheds, and Milkshops	..	..	7
Registered Workshops	..	..	7
Schools visited	..	..	1
Total number of inspections	..	..	60

HESKETH-WITH-BECCONSALL.

Number of nuisances dealt with	..	..	..	16
Number of notices served	..	..	..	4
Number of notices complied with	..	..	..	4
Dairies, Cowsheds, and Milkshops	..	..	..	3
Registered Workshops	..	..	..	10
Water certificates granted (Public Health (Water) Act, 1878)	..	..	..	8
Schools visited	..	..	..	1
Total number of inspections made	..	..	..	60

LYDIATE.

Number of nuisances dealt with	..	..	..	4
Number of notices served	..	..	..	4
Number of notices complied with	..	..	..	4
Houses supplied with water (Public Health Act, 1875)				2
Dairies, Cowsheds, and Milkshops	..	..	..	1
Registered Workshops	..	..	..	9
Schools visited	..	..	..	2
Total number of inspections made	..	..	..	40

MAGHULL.

Number of nuisances dealt with	..	..	..	43
Number of notices served	..	..	..	7
Number of notices complied with	..	..	..	7
Drains tested	..	..	..	1
Dairies, Cowsheds, and Milkshops	..	..	..	3
Registered Workshops	..	..	..	10
Registered Slaughter-houses	..	..	..	2
Schools visited	..	..	..	2
Carcases examined and found in good condition			..	6
Total number of inspections made	..	..	..	78

MELLING.

Number of nuisances dealt with	..	..	..	60
Number of notices served	..	..	..	9
Number of notices served previous year, and not complied with	..	..	..	7

Number of notices complied with	..	..	..	15
Dairies, Cowsheds, and Milkshops	..	..	..	1
Registered Workshops	..	..	..	2
Schools visited	..	..	..	2
Total number of inspections made	..	..	..	114

NORTH MEOLS (RURAL).

Number of nuisances dealt with	..	..	..	34
Number of notices served	..	..	..	5
Number of notices complied with	..	..	..	3
Dairies, Cowsheds, and Milkshops	..	..	..	12
Registered Workshops	..	..	..	8
Schools visited	..	..	..	2
Scavenging (number of receptacles emptied), making 658 loads	..	..	..	3730
Total number of inspections made	..	..	..	79

RUFFORD.

Number of nuisances dealt with	..	..	..	6
Number of notices served	..	..	..	1
Number of notices complied with	..	..	..	1
Dairies, Cowsheds, and Milkshops	..	..	..	3
Registered Workshops	..	..	..	12
Schools inspected	..	..	..	2
Food inspection—tins of fruit	..	..	..	7
Total number of inspections made	..	..	..	51

SCARISBRICK.

Number of nuisances dealt with	..	..	..	11
Number of notices served	..	..	..	4
Number of notices complied with	..	..	..	4
Dairies, Cowsheds, and Milkshops	..	..	..	4
Registered Workshops	..	..	..	11
Water certificates granted (Public Health (Water) Act, 1878)	..	..	..	1
Schools inspected	..	..	..	3
Total number of inspections made	..	..	..	61

SIMONSWOOD.

Registered Workshops	..	..	..	..	..	2
Total number of inspections made	..	..	..	..	..	4

TARLETON.

Number of nuisances dealt with	..	..	..	..	..	19
Number of notices served	..	..	..	..	..	3
Number of notices complied with	..	..	..	..	..	3
Dairies, Cowsheds, and Milkshops	..	..	..	..	..	5
Registered Workshops	..	..	..	..	..	16
Slaughter-house—licensed	..	..	..	..	..	1
Water certificates granted (Public Health (Water) Act, 1878)	..	..	..	..	..	4
Schools inspected	..	..	..	..	..	2
Total number of inspections made	..	..	..	..	..	91

We are,

Yours faithfully,

T. G. H. HUNTER.

JAS. AINSWORTH.

TABLE SHOWING THE NUMBER OF MATTERS DEALT WITH BY THE INSPECTORS OF NUISANCES DURING THE YEAR 1920.

1920.	Nuisances from various causes.	Nuisances abated.	Inspections made.	Drains tested.	Water samples for analyses.	Water supplies under PHA, 1875, & PHWA, 1878	Registered Slaughter-houses.	Dairies, Cowsheds, &c.	Inspections made.	Factory and Workshops	Inspections made.	Scavenging—Receptacles emptied.	Preliminary Notices served.	Complied with.	Statutory Notices served	Complied with.	Schools inspected.	Carcasses inspected.	Carcasses condemned.
ALTCAR.....	67	61	152	3	..	3	3	5	13	1	3	4,697	19	17	1	..	1	1	..
AUGHTON	27	21	49	..	..	..	..	1	3	10	22	..	4	4	..	..	2	..	..
BICKERSTAFFE.....	4	4	5	..	..	..	..	1	2	7	15	..	1	1	..	..	1	..	..
BISPHAM	3	3	5	..	..	..	..	..	..	3	6	..	..	..	..	..	1	..	..
DOWNHOLLAND.....	5	5	11	..	..	..	..	7	14	7	14	..	2	2	..	..	1	..	..
HALSALL	16	12	23	..	..	8	..	3	6	10	22	..	4	4	..	..	1	..	..
HESKETH BANK	4	3	13	..	..	2	..	1	3	9	23	..	4	3	1	..	2	..	..
LYDIATE.....	43	41	49	1	..	..	2	3	5	10	23	..	7	7	..	..	2	6	..
MAGHULL.....	60	45	104	..	1	..	..	1	2	2	6	..	9	9	2	2	2	..	..
MELLING.....	19	13	34	..	..	..	..	12	24	8	17	3,730	5	3	..	..	2	..	..
NORTH MEOLS	6	5	12	..	..	..	..	3	6	12	28	..	1	1	..	..	2	..	..
RUFFORD.....	11	11	29	..	..	1	..	4	8	11	20	..	4	4	..	..	3	..	..
SCARISBRICK	19	17	31	..	..	4	1	5	12	2	4	..	3	3	..	..	2	..	..
SIMONSWOOD																			
TARLETON																			
TOTALS.....	284	241	517	4	1	18	6	46	98	122	270	8,427	63	58	4	2	24	7	1

We beg to thank you for favours received through the Year.

Yours truly,

T. G. H. HUNTER, }
JAS. AINSWORTH, } Sanitary Inspectors.

TABLE SHOWING WORK DONE UNDER THE HOUSING AND TOWN PLANNING ACTS, 1909-19.

1920.	Altcar	Aughton	Bickerstaffe	Bispham	Downholland	Halsall	Hesketh Bank	Lydiate	Maghull	Melling	North Meols	Rufford	Scarisbrick	Simonswood	Tarleton	TOTALS
Houses referred by M.O.H. to Local Authority .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Houses inspected by Sanitary Inspector	63	52	8	...	12	2	147	...	32	37	...	61	10	...	2	426
Inspections made by Sanitary Inspector	63	94	8	...	12	2	155	...	58	37	...	68	10	...	2	509
Houses represented as unfit for human habitation .....	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Houses fit for habitation but more or less defective	33	26	...	...	5	...	51	...	19	12	...	18	6	...	1	171
Defects remedied without Closing Orders .....	...	9	...	...	...	...	2	...	23	...	...	4	...	...	...	38
Defects in course of being remedied without Closing Orders .....	...	7	...	...	...	...	5	...	...	..	...	2	...	...	...	14
Defects remedied after Closing Orders	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Closing Orders determined .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Orders to execute work under Section 15 .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Orders to execute work under Public Health Act, 1875	4	9	...	...	...	...	...	...	6	4	...	...	...	...	...	23
Remedied without service of notice ..	...	...	...	...	...	...	2	...	5	1	...	4	...	...	...	12
Houses closed by Owner in lieu of remedying defects ..	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
Houses demolished .....	...	..	...	...	...	...	1	...	...	...	...	...	...	...	...	1

ANNUAL REPORT ON CANAL BOATS
FOR THE YEAR 1920.

*To the Chairman and Members of the West Lancashire
Rural District Council.*

GENTLEMEN,

The method of Inspection usually adopted by the Inspector is to board a boat when on a voyage, as at that time the occupants are unprepared for his visit, but he also inspects boats that he finds tied up.

Mr. T. G. H. Hunter, 24, Small Lane, Ormskirk, is the Inspector; he receives no special remuneration for this work.

Thirty boats were inspected during the year, and it was noticed that on the whole the condition of them, both as to repairs and as to cleanliness was much improved, special efforts in that direction having apparently been made during the year.

There were FIVE infringements of the Act and Regulations—in three cases there was no certificate on board; in one the registered number was not painted on the boat; in another the certificate did not correspond with the name of the owner painted on the boat.

Four notices were served and complied with.

There were no prosecutions during the year.

No cases of Infectious Disease were found on any boat.

We are, Gentlemen,

Your obedient Servants,

GEO. E. SCHOLEFIELD,

Medical Officer of Health

T. G. H. HUNTER,

Inspector of Canal Boats.

COUNTY PALATINE OF LANCASTER.

REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1920,

WITH STATISTICAL INFORMATION FROM REPORTS OF
DISTRICT MEDICAL OFFICERS OF HEALTH.

(Presented to the County Council, November 3rd, 1921.)



COUNTY COUNCIL.

PRESTON :

PRINTED BY T. SNAPE & Co., BOLTON'S COURT.

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PUBLIC HEALTH AND HOUSING COMMITTEE (1921).

The Chairman of the County Council :

*Sir Henry F. Hibbert, Bart., D.L.

The Vice-Chairman of the County Council :

*H. Wade Deacon, Esq., C.B.E.

Chairman of Committee :

*W. Hodgson, Esq.

Vice-Chairman :

*C. J. Trimble, Esq., C.B., C.M.G., D.L.

(* *County Aldermen.*)

County Aldermen—

J. Chadwick, Esq.

A. Kershaw, Esq., M.D.

R. Sephton, Esq.

J. T. Travis-Clegg, Esq., D.L.

H. Winstanley, Esq.

County Councillors—

J. C. Beckitt, Esq.

E. Boothman, Esq.

H. J. Bouchier, Esq.

A. S. Bury, Esq.

C. F. Critchley, Esq.

R. Dixon, Esq.

M. B. Farr, Esq.

T. L. Gerrard, Esq.

H. Heys, Esq.

P. J. Hibbert, Esq., D.L.

H. W. Hitchen, Esq.

E. Oldham, Esq.

F. S. Philpotts, Esq.

J. H. Roberts, Esq.

G. Rowson, Esq.

G. Scarr, Esq., M.B.

F. Slade, Esq.

S. Smethurst, Esq.

J. W. Watterson, Esq., M.B.

R. Worswick, Esq.

MIDWIVES ACT COMMITTEE

(1921)

The Chairman of the County Council :

*Sir Henry F. Hibbert, Bart., D.L.

The Vice-Chairman of the County Council :

*H. Wade Deacon, Esq., C.B.E.

Chairman of Committee :

*J. Chadwick, Esq.

Vice-Chairman :

*A. Kershaw, Esq., M.D.

(* County Aldermen.)

County Aldermen—

R. Sephton, Esq.

C. J. Trimble, Esq., C.B., C.M.G., D.L.

H. Winstanley, Esq.

County Councillors—

J. C. Beckitt, Esq.

H. J. Bouchier, Esq.

W. Briggs, Esq.

H. W. Hitchen, Esq.

W. Hopwood, Esq.

H. Redmayne, Esq., D.L.

W. M. Rogerson, Esq.

G. Rowson, Esq.

G. Scarr, Esq., M.B.

T. C. Usher, Esq.

J. W. Watterson, Esq., M.B.

when it was 12·73. The epidemic death-rate, excepting 1919, was also below any previous year's rate, and the phthisis death-rate and the infant mortality rate were the most favourable on record. The main cause in the fall in the general death-rate, as compared with the year 1919, was the decrease in the number of deaths from influenza. As regards the prevalence of infectious disease, the notifications of scarlet fever, diphtheria, puerperal fever, &c., were more numerous than in 1919, but there was no serious epidemic. Small-pox was confined to two districts.

The housing campaign—specially reported upon on page lxvii.—has so far resulted in the completion of 986 houses and the commencement of building operations on 4,885 other dwellings. In addition, 796 houses were erected in 1920 by private enterprise.

The County Council's maternity and child welfare scheme and the arrangements for the diagnosis and treatment of venereal diseases have been extended.

Special reports received during 1920 from district Medical Officers of Health numbered 341, of which 203 referred to school closure owing to the prevalence of infectious disease.

The number of County districts specially reported upon as to their sanitary circumstances and administration by the County public health staff is now 51.

From the Exchequer Contribution Account payments towards the salaries of public health officials are made under Section 24 of the Local Government Act, 1888, to the Councils of 17 boroughs, 85 urban districts, 19 rural districts, and 2 port sanitary authorities. The total payments during the financial year ended March 31st, 1921,

amounted to £18,008 13s. 7d., of which £7,148 6s. 6d. was in respect of Medical Officers of Health, and £10,860 7s. 1d. for Inspectors of Nuisances.

I take this opportunity of expressing my thanks to district Medical Officers of Health and their sanitary staffs for statistics and information supplied to the County Public Health Department during the year.

I am, Gentlemen,

Your obedient Servant,

J. J. BUTTERWORTH,

County Medical Officer of Health.

Public Health Department,

County Offices, Preston,

August, 1921.

From 1916 onwards the Registrar-General has based his estimates of population on “war conditions,” but in 1920, he says, demobilization had reached a stage at which it is felt that the distinction between “birth-rate populations” and “death-rate populations” made during the period when a large part of the male population was under arms might in general be discontinued. For most districts, therefore, a single estimate of population for 1920 is shown, and this is applicable to both births and deaths. For a few areas which contain an appreciable non-civilian population, however, two estimates of population, one for calculations of the birth-rate and one for the civilian death-rate, are given, as in recent years.

The local populations, as estimated by the Registrar-General, have been supplied to the local Medical Officers of Health.

The aggregate of the estimates for the urban and rural districts comprised within the Administrative County on the 31st December, 1920, is as follows :—

For calculating the <i>birth-rate</i>	...	1,730,929.
„ <i>death-rate</i>	...	1,728,967.

At the last census (1911) the enumerated population of the Administrative County was 1,739,320 (including certain Public Institutions), and since that date the excess of births over deaths in the County totals 105,213. By the extension of County Boroughs since the last census a loss of population, representing 40,240 persons, has been sustained.

The Registrar-General’s estimate of the County population for the purpose of calculating the birth-rate for the year 1920 is 1,127 less than the corresponding estimate for 1919, whilst the estimate of population on which the 1920 death-rate is calculated exceeds last year’s estimate by 66,251.

Table B, page xviii., shows the census (1911) enumeration of each borough, urban and rural district, and the estimated population for the year 1920.

The following table gives the area, population, persons per acre, &c., of the County on the 31st December, 1920, distinguishing the boroughs, urban and rural districts :—

	Area in Acres.	Population.			Persons per Acre.	Acres per Person.
		*Census, 1911.	Estimate of Population, 1920.			
			For Birth-rate.	For Death-rate.	Calculated on Census figures.	
Municipal Boroughs (18).	80,729	546,183	559,052	558,836	6·76	0·14
Urban Districts (85)	260,992	906,227	943,374	941,940	3·47	0·28
Rural Districts (19)	712,189	232,708	228,503	228,191	0·32	3·06
Administrative County	1,053,910	1,685,118	1,730,929	1,728,967	1·59	0·62

* Excluding certain public institutions, *i.e.*, asylums.

Vital Statistics.—The system initiated in 1916 under which the Registrar-General, through the County Public Health Department, supplied each district Medical Officer of Health with the details of the births and deaths registered in, or belonging to, his district, was continued in the year 1920.

The Registrar-General, in a memorandum accompanying the statistical information, directs the attention of Medical Officers of Health and others using the returns “to some points upon which experience has shown that misunderstandings tend to arise,” *e.g.* :—

“The number of births and deaths are those ‘registered’ during the calendar year, and are corrected for inward and

outward transfers ; they will differ, therefore, from uncorrected figures compiled locally, either for the calendar year or for a period of fifty-two or fifty-three weeks.”

“ The ‘ classification ’ of some deaths is modified in the light of fuller information obtained from the certifying practitioner in response to special inquiries. . . This possible source of discrepancy between the returns of the Registrar-General and those compiled locally should be borne in mind, particularly in regard to the causes of death.”

Births and Birth-rates. — During the year 1920 the births registered in, or belonging to, the Administrative County numbered 39,767, an increase over the preceding year’s total of 10,968.

The sex of the children born is shown below :—

	Males.	Females.	Total.
Urban Districts	17,710	16,806	34,516
Rural Districts	2,672	2,579	5,251
Administrative County ...	20,382	19,385	39,767

The excess of male births in 1920 over those of females corresponded to 2·51 per cent., as compared with percentages of 1·99, 2·81, and 2·47 in the three years 1919-18-17.

The following table shows the County, urban, and rural birth-rates for the year 1920, calculated on the estimated population supplied by the Registrar-General (see page xi.) ; also the rates for each year in the preceding decennial period. For comparative purposes the birth-rates for the whole country are also given :—

	Birth-rate per 1,000 of the Estimated Population.										
	1920.	1919.	1918.	1917.	1916.	1915.	1914.	1913.	1912.	1911.	1910.
Urban Districts	22'30	16'58	16'09	16'27	18'54	19'91	22'19	22'41	22'09	22'88	22'47
Rural Districts..	22'98	16'88	16'06	16'08	18'59	18'95	20'95	20'86	21'42	21'15	22'52
Administrative County	22'97	16'62	16'08	16'25	18'54	19'78	22'02	22'20	22'00	22'64	22'48
England and Wales.....	25'4	18'5	17'7	17'8	21'6	21'8	23'8	23'9	23'8	24'4	24'8

One of the notable features of the year's statistics is the rise in the County birth-rate as compared with 1919, the increase being equal to 6·35 per 1,000 of the estimated population—5·72 in urban districts and 6·10 in rural districts. The rate is the highest recorded since 1909 and exceeds the average of the ten years 1910-1919 by 3·11 per 1,000. The County rate in 1920 was 2·5 per 1,000 below the average for the whole of England and Wales.

The mean County birth-rates per 1,000 of the population for quinquennial periods, compared with the year 1920, are shown below :—

1890—1894	...	30·41	1905—1909	...	24·54
1895—1899	...	28·34	1910—1914	...	22·26
1900—1904	...	26·51	1915—1919	...	17·45
1920	...	22·97			

The fall in the number of births in the County since the year 1911, with the slight recovery in 1919, and the marked increase in the year under report, will be seen in the following table :—

Year.	Total No. of Births in County.	Year.	Total No. of Births in County.
1911	... 39,134	1916	... 32,695
1912	... 38,443	1917	... 28,420
1913	... 38,844	1918	... 27,736
1914	... 38,507	1919	... 28,799
1915	... 34,595	1920	... 39,767

The excess of births over deaths in 1920 was 17,726, against an excess of 5,405 in the year 1919.

The births and birth-rates of each urban and rural district in 1920 are shown on Table B, page xviii. In only two County districts (31 districts in 1919) were the number of births below the number of deaths, whilst in 62 districts the birth-rate exceeded the death-rate by over 10 per 1,000.

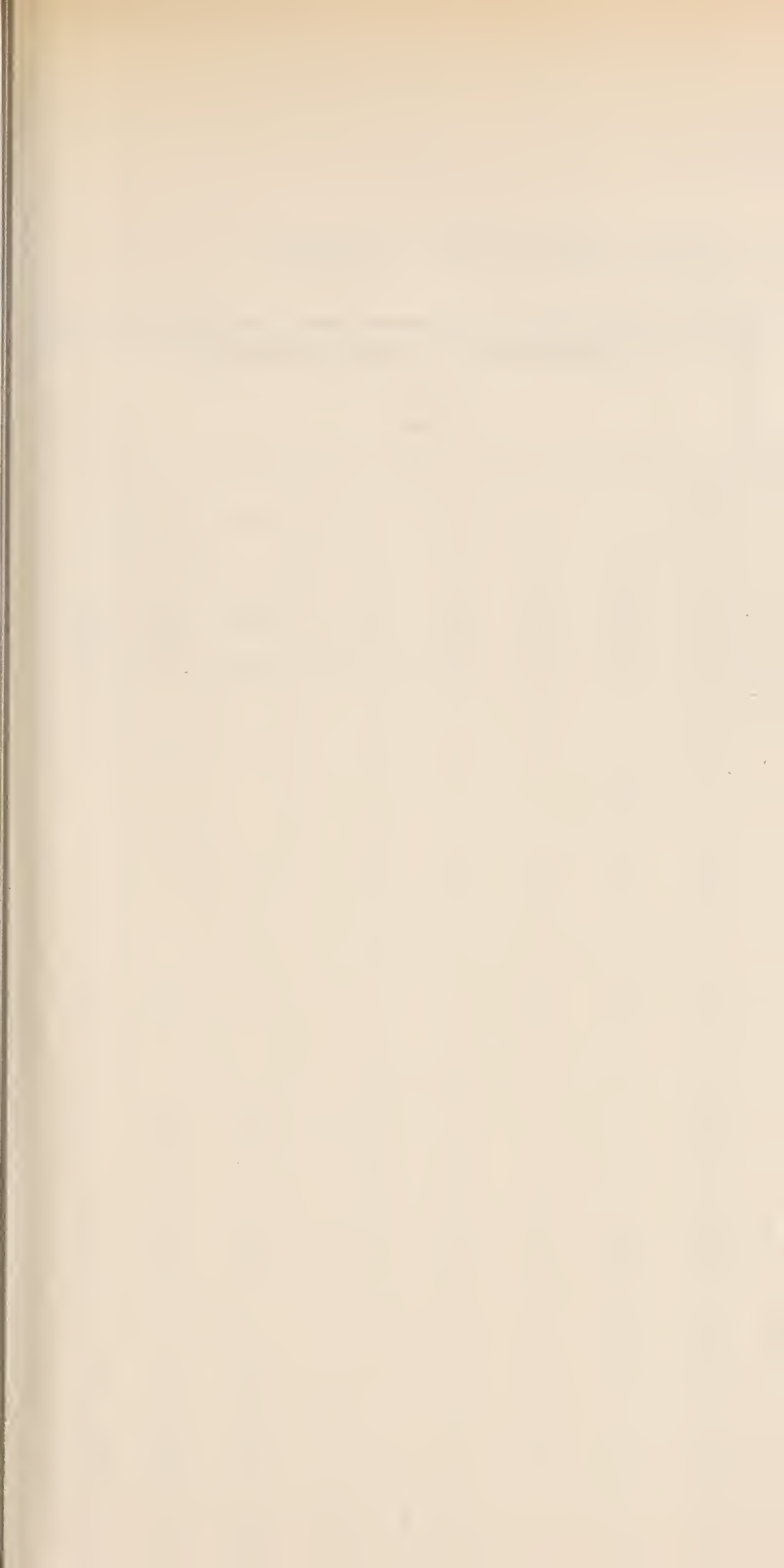
The highest district birth-rates were attained in Widnes (B.), 32·6 ; Ince-in-Makerfield, 32·2 ; Haydock, 32·1 ; Litherland, 31·8 ; Ashton-in-Makerfield, 31·5 ; Aspull, 31·1 ; Abram, 30·6 ; Golborne, 29·8 ; Carnforth, 28·9 ; Prescott, 28·6 ; Skelmersdale, 28·3 ; and Billinge, 28·0. Low rates obtained in Nelson (B.), 16·0 ; Grange-over-Sands, 15·3 ; Tottington, 14·7 ; St. Annes-on-the-Sea, 14·2 ; and Heysham, 12·3.

ILLEGITIMATE BIRTHS.—The births registered in 1920 included 1,725 of illegitimate children, an increase of 206 on the 1919 total, but the percentage of these births to total births was less, viz., 4·33 against 5·27.

Deaths and Death-rates.—From the statistics supplied by the Registrar-General, the total number of deaths registered as belonging to the Administrative County area, that is, after correction for inward and outward transfers, was 22,041, as compared with 23,394 last year, a decrease of 1,353. In the year 1918 there were 26,563 deaths, 21,937 in 1917, and 23,197 in 1916.

The sex distribution of the persons dying in 1920 is shown below :—

	Males.	Females.	Total.
Urban Districts	9,730	9,528	19,258
Rural Districts	1,382	1,401	2,783
Administrative County ...	11,112	10,929	22,041



ADMINISTRATIVE COUNTY OF LANCASTER.

TABLE A.—CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING THE YEAR ENDED
31st DECEMBER, 1920.

CAUSES OF DEATH.	ADMINIS- TRATIVE COUNTY. TOTAL DEATHS.	Sex.	AGGREGATE OF URBAN DISTRICTS.									AGGREGATE OF RURAL DISTRICTS.									
			YEARS.									YEARS.									
			All Ages.	0—	1—	2—	5—	15—	25—	45—	65—	All Ages.	0—	1—	2—	5—	15—	25—	45—	65—	
ALL CAUSES	22041	M. F.	9730 9528	1888 1394	326 273	292 282	402 377	383 433	1189 1238	2638 2250	2612 3281	1382 1401	198 154	27 28	29 39	66 67	58 57	165 180	360 288	479 588	
		Total	19258	3282	599	574	779	816	2427	4888	5893	2783	352	55	68	133	115	345	648	1067	
1 Enteric fever	52	M. F.	28 20	.. ..	.. ..	.. ..	.. 4	6 7	14 4	8 4	.. 1	2 2	.. ..	.. ..	.. ..	.. ..	.. ..	1 1	1 1	.. ..
2 Small-pox	1	M. F.	.. 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 1	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
3 Measles	331	M. F.	152 151	47 32	49 56	41 49	15 14	.. ..	.. ..	.. ..	.. ..	13 15	3 3	4 3	1 6	5 2	.. ..	.. 1	.. ..	.. ..
4 Scarlet fever	53	M. F.	24 25	.. ..	3 ..	6 10	12 11	3 3	.. 1	.. ..	.. ..	3 1	.. ..	1 ..	.. ..	1 1	1 ..	.. ..	.. ..	.. ..
5 Whooping cough	160	M. F.	63 82	34 46	15 15	12 18	2 3	.. ..	.. ..	.. ..	.. ..	6 9	6 5	.. 1	.. 3	.. ..	.. ..	.. ..	.. ..	.. ..
6 Diphtheria and croup	202	M. F.	86 88	3 2	9 10	37 28	34 43	.. 3	3 2	.. ..	.. ..	13 15	.. 2	.. ..	3 2	9 10	1 ..	.. ..	.. ..	.. 1
7 Influenza	558	M. F.	258 223	16 7	4 3	7 7	19 7	21 18	65 69	84 49	42 63	31 46	.. ..	.. ..	.. 1	2 2	3 7	10 10	12 17	4 9
8 Erysipelas.. .. .	46	M. F.	22 19	4 2	.. ..	1 ..	.. ..	1 ..	3 1	10 9	3 7	2 3	.. ..	.. ..	.. ..	.. ..	.. ..	1 1	.. 1	1 1
9 Pulmonary tuberculosis	1323	M. F.	646 524	3 1	2 7	3 5	19 23	99 149	263 232	233 97	24 10	83 70	3 1	.. ..	2 ..	2 5	17 17	29 25	24 17	6 5
10 Tuberculous meningitis	138	M. F.	63 55	14 11	9 11	15 12	18 14	3 3	2 3	2 1	.. ..	9 11	2 1	2 ..	2 2	3 6	.. 1	.. 1	.. ..	.. ..
11 Other tuberculous diseases	258	M. F.	117 111	13 5	9 7	13 7	28 19	17 24	18 26	16 19	3 4	13 17	.. ..	1 ..	.. 2	2 ..	.. 3	6 3	3 6	1 3
12 Cancer, malignant disease	1880	M. F.	731 914	.. ..	1 1	2 ..	2 ..	2 2	60 96	411 481	253 334	96 139	.. ..	.. ..	.. 2	1 ..	.. ..	9 17	52 62	34 58
13 Rheumatic fever	139	M. F.	59 66	1 ..	.. ..	1 ..	22 22	9 15	15 16	8 9	3 4	7 7	.. ..	.. ..	.. ..	2 ..	2 3	3 2	.. 1	.. 1
14 Meningitis.. .. .	165	M. F.	73 69	19 23	8 6	11 11	12 12	9 8	9 5	3 4	2 ..	9 14	4 5	.. 1	1 1	2 3	1 2	1 ..	.. 2	.. ..
15 Organic heart disease	2141	M. F.	806 1030	1 2	.. ..	.. 1	15 20	30 40	109 122	310 363	341 482	137 168	.. ..	.. ..	1 ..	1 5	2 2	11 17	40 42	82 102
16 Bronchitis.. .. .	2118	M. F.	920 979	208 151	24 19	15 21	6 8	1 4	33 33	221 193	412 550	99 120	15 14	2 8	1 2	2 ..	.. ..	1 3	23 12	55 81
17 Pneumonia (all forms)	1815	M. F.	900 714	205 168	105 79	55 56	46 48	28 16	143 102	217 122	101 123	123 78	28 13	8 5	4 4	2 6	5 6	22 13	36 14	18 17	
18 Other respiratory diseases	255	M. F.	112 105	10 8	6 5	8 10	7 6	1 2	14 13	46 23	20 38	21 17	2 ..	.. ..	3 2	.. 4	2 ..	4 2	8 3	2 6
19 Diarrhoea, &c.	648	M. F.	340 251	224 149	27 17	14 13	5 7	5 3	21 14	24 15	20 33	29 28	13 10	.. 1	1 1	2 ..	2 ..	.. 2	3 6	8 8
20 Appendicitis and typhlitis	124	M. F.	50 51	.. ..	.. ..	1 1	12 17	13 7	9 13	12 11	3 2	12 11	.. ..	1 ..	1 ..	5 2	.. 1	1 6	3 1	1 1
21 Cirrhosis of liver	64	M. F.	40 13	.. ..	.. ..	1 ..	2 1	.. 1	6 4	18 6	13 1	8 3	.. ..	.. ..	.. ..	.. ..	.. ..	.. 1	4 1	4 1
21a Alcoholism	8	M. F.	5 2	.. ..	.. ..	.. ..	.. ..	.. ..	1 ..	3 1	1 1	1 ..	.. ..	.. ..	.. ..	.. ..	.. ..	1 ..	.. ..	.. ..
22 Nephritis and Bright's disease	640	M. F.	306 258	2 1	1 2	4 1	7 13	7 8	58 51	141 109	86 73	45 31	1 ..	.. 1	.. ..	.. ..	1 4	7 4	21 14	15 8
23 Puerperal fever	81	M. F.	.. 70	.. ..	.. ..	.. ..	.. ..	.. 16	.. 54	.. ..	.. ..	.. 11	.. ..	.. ..	.. ..	.. ..	1 10	.. ..	.. ..	.. ..
24 Parturition, apart from puerperal fever	117	M. F.	.. 97	.. ..	.. ..	.. ..	.. ..	.. 18	.. 78	.. 1	.. ..	.. 20	.. ..	.. ..	.. ..	.. ..	2 18	.. ..	.. ..	.. ..
25 Congenital debility, &c.	1417	M. F.	723 551	716 547	3 ..	2 1	1 1	1 2	.. ..	.. ..	.. ..	74 69	73 68	.. ..	.. 1	1 ..	.. ..	.. ..	.. ..	.. ..
26 Violence, apart from suicide	691	M. F.	454 138	14 9	9 3	19 10	52 17	62 8	112 15	126 35	60 41	67 32	1 2	3 3	2 5	8 9	6 1	21 3	18 3	8 6	
27 Suicide	182	M. F.	106 56	.. ..	.. ..	.. ..	.. ..	6 6	26 23	58 20	16 7	14 6	.. ..	.. ..	.. ..	.. ..	.. 3	4 2	9 1	1 ..
28 Other defined diseases	6275	M. F.	2577 2808	351 227	41 26	23 18	63 66	57 69	199 255	648 654	1195 1493	449 441	47 27	3 5	6 4	16 12	15 3	30 35	98 78	234 277	
29 Causes ill-defined or unknown	159	M. F.	69 57	3 3	1 6	1 3	3 1	2 1	6 6	39 23	14 14	16 17	.. 3	2 ..	1 1	.. ..	.. 1	3 3	5 6	5 3

For the two years 1918 and 1919 the deaths of females in the County exceeded those of males for the first time since 1900, but during the year under report the male deaths again take precedence, the excess over female deaths being equal to 0·83 per cent. In the urban districts the excess corresponded to 1·05 per cent., but in rural districts female deaths predominate to the extent of 0·69 per cent. In the whole Administrative County the deaths of males were to those of females as 1,016 is to 1,000, in the urban districts as 1,021 is to 1,000, whilst in the rural areas the female deaths to male deaths were as 1,013 is to 1,000.

The County deaths at the various age periods are given below :—

Under 1 Year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.	Total.
3,634	654	642	912	931	2,772	5,536	6,960	22,041

Table A. is a classified statement of the causes of death in 1920, distributed in age groups and distinguishing the sexes, for the aggregate urban and rural districts.

The following table gives the County birth and death rates, and also those for England and Wales :—

		Birth-rate per 1,000 of the Population.	Death-rate per 1,000 of the Population.	Death-rate from the Principal * Epidemic Diseases.	Rate of Infant Mortality measured by the propor- tion of deaths of Infants under 1 year to 1,000 births.
Administrative County of Lancaster	Urban	22·30	12·83	0·75	95
	Rural	22·98	12·19	0·45	67
	Urban and Rural Districts combined	22·97	12·74	0·71	91
England and Wales		25·4	12·4	...	80

* Includes deaths from Diarrhœa and Enteritis under 2 years *only*.

The table below gives the death-rates of the County, distinguishing the urban and rural rates, and also the rates for England and Wales, from 1910 to 1920 :—

	Death-rate per 1,000 of the estimated Population.										
	1920.	1919.	1918.	1917.	1916.	1915.	1914.	1913.	1912.	1911.	1910.
Urban Districts	12·83	14·01	17·40	14·05	14·47	15·60	14·17	14·39	13·76	15·33	12·83
Rural Districts	12·19	14·40	16·41	13·56	13·32	13·57	12·53	13·00	12·60	13·25	12·09
Administrative County	12·74	14·06	17·26	13·98	14·31	15·32	13·95	14·20	13·61	15·05	12·73
England and Wales... ..	12·4	13·8	17·6	14·4	14·0	14·8	13·7	13·4	13·0	14·6	13·4

The County death-rate for 1920 showed a reduction on the previous year of 1·32 per 1,000 of the estimated population—1·18 in the urban districts and 2·21 in the rural districts. The further decline in the number of fatalities from influenza, bronchitis, and pneumonia (9,277 in 1918, 6,813 in 1919, and 4,491 in 1920) was the main factor in the reduction of the death-rate.

Comparison with the ten years' averages (1910-1919) show the death-rates for 1920 to be more favourable to the following extent :—County 1·70, urban districts 1·77, rural districts 1·28. The County rate in 1920 was the lowest recorded, excepting the year 1910, when it was 12·73. Compared with thirty years ago (1891), the County death-rate shows a decline of 8·35 per 1,000 of the population, or nearly 40 per cent.

Details of the deaths in the various sanitary areas, classified under certain headings, are given in Table B., here inserted, and the mortality rates of each district in 1920 are compared with the preceding year and the mean of the decennial period 1910-1919 on pages 1 to 42.

The highest death-rates among the County districts in 1920 were : Aspall, 19·0 ; Poulton-le-Fylde, 18·1 ; Croston,



17·7 ; Fulwood, 17·6 ; Sefton (R.), 16·5 ; Rainford, 16·2 ; Longridge, 16·1 ; Wardle, 16·0 ; Dalton-in-Furness, 15·7 ; and Whitworth, 15·5 ; whilst the following districts had the highest mortality averages extending over a period of ten years : Lees, 19·2 ; Ince-in-Makerfield, 18·2 ; Wardle and Whitworth, each 17·8 ; Ashton-under-Lyne (B.) and Widnes (B.), each 17·4 ; and Heywood (B.) and Kirkham, each 17·3.

The lowest death-rates in 1920 were :—Preesall, 8·1 ; Urmston, 9·1 ; Billinge, 9·4 ; Nelson (B.), 9·5 ; Bury (R.), 9·6 ; Great Crosby, 9·8 ; Norden, 10·1 ; Hurst and Irlam, each 10·2 ; Stretford, 10·3 ; and Little Hulton, 10·5 ; and the following districts had the lowest ten years' averages : Little Crosby, 10·5 ; Great Crosby, 10·6 ; Urmston, 10·7 ; Formby, 11·0 ; Adlington, Preesall, and St. Annes-on-the-Sea, each 11·4 ; Nelson (B.) and Stretford, each 11·6 ; Carnforth and Lunesdale (R.), each 11·7 ; Rishton, 11·8 ; and Horwich, 11·9.

TRANSFERABLE DEATHS.—During the year under report the following transfers have been made : 3,224 persons who, having a fixed or usual residence in the Administrative County, died in a district other than that in which they resided, and these (known as inward transfers) have been allocated to their proper districts ; 3,475 deaths occurring in the County area of persons not belonging thereto have been outwardly transferred.

Infant Mortality. — The number of deaths in the Administrative County during the year 1920 of infants under the age of one year was 3,634, or 16·48 per cent. of the total deaths at all ages.

The main causes of the infant deaths are shown in the following table, which contrasts 1920 with the four preceding years :—

Cause of Death.	Deaths under 1 year.				
	1920.	1919.	1918.	1917.	1916.
All Causes	3634	2697	2779	2748	3242
Small-pox ... ..	...	...	...	...	1
Measles	85	28	54	75	67
Scarlet Fever ... ..	...	1	1	3	2
Whooping Cough ...	91	25	184	86	108
Diphtheria and Croup ...	7	5	11	5	5
Erysipelas	6	3	3	7	5
Tuberculous Meningitis...	28	13	19	23	18
Other Tuberculous Diseases	26	21	21	31	29
Meningitis	51	37	34	50	47
Bronchitis	388	288	265	286	334
Pneumonia (all forms) ...	414	352	344	334	376
Diarrhœa and Enteritis	396	233	229	221	371
Congenital Debility, Malformations, Premature Birth, &c. ...	1404	1094	1002	1026	1200
Other Causes	738	597	612	601	679

In making comparisons with 1919, it must be borne in mind that the total number of births in 1920 in the County area was 39,767 against 28,799.

The rate of infant mortality resulting from these deaths—91 per 1,000 registered births (urban districts 95, rural districts 67)—is the lowest ever recorded for the Administrative County; it is 2 per 1,000 below last year's rate, 19 per 1,000 less than the ten years' average, and between 60 and 70 per 1,000 births lower than the County rate of thirty years ago.

The following table gives the infant death-rates for the Administrative County, and those of England and Wales for the years 1910-1920 :—

	Rate of Deaths of Children under 1 Year to 1,000 Births.										
	1920.	1919.	1918.	1917.	1916.	1915.	1914.	1913.	1912.	1911.	1910.
Urban Districts.	95	94	101	96	101	123	115	128	106	148	121
Rural Districts..	67	88	90	94	82	94	96	100	89	111	93
Administrative County	91	93	100	96	99	119	112	124	104	144	117
England and Wales.....	80	89	97	97	91	110	105	109	95	130	106

In the table below the infant mortality in 1920 is contrasted with preceding quinquennia :—

Years.	Birth-rate per 1,000 of Estimated Population.	INFANT MORTALITY.		
		Rate of Deaths under One Year.		Percentage of Infant Deaths to Total Deaths at all ages.
		Per 1,000 Births.	Per 1,000 of the Estimated Population	
1890—1894	30·41	154	4·71	24·88
1895—1899	28·34	167	4·74	26·98
1900—1904	26·51	151	4·03	25·38
1905—1909	24·54	128	3·16	22·07
1910—1914	22·26	120	2·69	19·33
1915—1919	17·45	101	1·92	12·92
1920	22·97	91	2·10	16·48

In only one district was an infant death-rate exceeding 150 per 1,000 births obtained in the year 1920 ; in 30 districts the rate was between 100 and 150, in 77 districts between 50 and 100, and 14 districts had a rate under 50 per 1,000 births.

The highest infant rates were : Longridge, 157 ; Hindley, 147 ; Ince-in-Makerfield and Standish-with-Langtree, each 135 ; Whitworth, 133 ; Audenshaw, 131 ; Golborne, 129 ; Farnworth and Tottington, each 125 ; and the lowest, Withnell, 25 ; Kirkham, Leyland and Garstang (R.), each 30 ; Fulwood,

31; Wigan (R.) 33; Grange-over-Sands, 34; Lytham and Rishton, each 35; and Barton-upon-Irwell (R.), 39.

Extending over a period of ten years, the undermentioned County districts had the highest infant death-rates: Kirkham, 162; Lees, 158; Ashton-under-Lyne (B.) and Ince-in-Makerfield, each 144; Farnworth and Leigh (B.), each 143; Orrell, 139; Aspull, Longridge, and Skelmersdale, each 138; and Golborne, 137.

Notification of Births Acts, 1907-1915.—The County Council is the Local Authority for the administration of the Notification of Births Act, 1907, for the sanitary areas in which that Act had not been adopted at the time the 1915 Act became operative. This area consisted of 79 districts, and since then five other districts—Lees, Whitworth, Littleborough, Milnrow, and Wardle—in which the Act had been adopted by the Local Authority have, by arrangement, been included in the County Council's "child welfare area," making a total of 84 districts. Eleven of the 79 districts having appointed their own health visitor are excluded from the County Council's child welfare scheme.

From the above-mentioned area—84 districts—notifications were received in 1920 by the County Medical Officer of Health respecting 17,211 births. The actual number of births *registered* in these districts was 17,729.

Maternity and Child Welfare.—Health Visitors.—Maternity and Child Welfare work in this County was carried out as under on the 31st December, 1920:—

	Estimated Population for calculation of Birth-rate.	No. of Births registered in 1920.
By Local Sanitary Authorities—in 49 districts (17 boroughs, 31 urban and 1 rural district) ...	1,104,892 ...	25,780
By the County Council—in 73 dis- tricts (1 borough, 54 urban and 18 rural districts) ...	626,037 ...	13,987
	<hr/>	<hr/>
	1,730,929 ...	39,767

The table below shows the action taken, up to 31st December, 1920, by *Local Sanitary Authorities* in the establishment of Child Welfare Centres and the appointment of Health Visitors :—

District.	Mother and Child Welfare Centre.	Health Visitor appointed.
Abram	Infant Welfare Centre	Whole time
Accrington (B.) ...	Do.	Whole time
Ashton-in-Makerfield	Do.	Whole time
Ashton-under-Lyne(B.)	Two Infant Welfare Centres	Whole time (4)
Atherton	Infant Welfare Centre	Whole time
Bacup (B.)	Do.	Health Visitor also acts as School Nurse.
Brierfield	Do.	Whole time
Chadderton	Maternity and Infant Welfare Centre	Whole time (2)
Chorley (B.)	Two Maternity and Infant Welfare Centres. Night and Day Nursery at Moss Cottage, Eaves Lane, opened November, 1919	Whole time (2)
Clitheroe (B.) ...	Maternity Centre	Health Visitor also acts as School Nurse
Colne (B.)	Do.	Whole time
Crompton	Infant Welfare Centre...	Whole time
Darwen (B.)	Two Maternity and Infant Welfare Centres. Day Nursery	Whole time
Denton	Maternity and Infant Welfare Centre	Whole time
Eccles (B.)	Mothers' and Babies' Welcome Club	Maternity Superintendent and two whole time Health Visitors

District.	Mother and Child Welfare Centre.		Health Visitor appointed.
Failsworth	Infant Welfare Centre	Whole time
Farnworth	Maternity Centre	Whole time (2)
Golborne	Infant Welfare Centre	Whole time
Great Harwood	Maternity and Infant Welfare Centre	Part time
Haslingden (B.)	Infant Welfare Centre	Whole time
Haydock	Infant Welfare Centre	Whole time
Heywood (B.)	Infant Welfare Centre being established	Whole time
Hindley	Maternity Centre. Ante-natal Clinic	Whole time (1) Part time (1)
Horwich	Infant Welfare Centre	Whole time (2)
Hurst	School for Mothers, and Infant Consultations	Whole time
Ince-in-Makerfield	Two Infant Welfare Centres	Whole time (2)
Irlam	Maternity Centre in each Ward—Irlam and Cadishead	Whole time
Lancaster (B.)	Mothers' and Babies' Welcome Maternity Home, two beds—Sept., 1920	Four Health Visitors who also act as School Nurses
Leigh (B.)	Babies' and Mothers' Welfare Centre	Whole time (2)
Middleton (B.)	Infant Welfare Centre	Whole time
Mossley (B.)	Maternity and Infant Welfare Centre	Whole time
Nelson (B.)	Infant Welfare Centre	Whole time (2)
Newton-in-Makerfield	Do.	Whole time
Orrell	Do.	District Nurse acts as Health Visitor

District.	Mother and Child Welfare Centre.	Health Visitor appointed.
Oswaldtwistle ...	Infant Welfare Centre	Whole time
Padiham ...	Maternity and Infant Welfare Centre	Whole time
Prestwich ...	Two Infant Welfare Centres	Whole time
Radcliffe ...	Under consideration ...	Whole time
Ramsbottom ...	Infant Welfare Centre	Whole time
Rawtenstall (B.) ...	Three Infant Welfare Centres	Whole time (2)
Royton ...	Infant Welfare Centre	Whole time
Stretford ...	Baby Clinic ...	Whole time
Swinton & Pendlebury	Baby Clinic and School for Mothers	Whole time (2)
Tyldesley-with-Shakerley	Maternity and Infant Welfare Centre	Whole time
Upholland ...	... ..	Part time
Waterloo-with-Seaforth	Maternity and Infant Welfare Centre ; also School for Mothers	Whole time
Westhoughton ...	Infant Welfare Centre	Whole time (2)
Widnes (B.) ...	Four Infant Welfare Centres	Whole time (3)
Barton-upon-Irwell (R.)	Infant Welfare Centres at Clifton, Davy-hulme, and Flixton	Whole time

COUNTY COUNCIL CHILD WELFARE SCHEME.—The Medical and Nursing Staff of the School Medical Department and the Maternity and Child Welfare Staff of the County Public Health Department were amalgamated on the 1st April, 1919.

Work of County Health Visitors.—The following is a statement of the work carried out by the County Nurses during the twelve months ended 31st December, 1920 :—

Home Visits—

No. of first visits	...	...	...	...	12,858
No. of re-visits	42,270

Ante-Natal Visits—

No. of visits to expectant mothers	1,401
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Other Visits—

Special visits to older children, Medical Officers of Health, &c.	1,283
Special visits to cases of ophthalmia neonatorum and other cases	...	...	...	631

Reports to County Medical Officer of Health—

Re insanitary conditions	120
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CHILD WELFARE CENTRES.—The following is a list of the Child Welfare Centres which have already been established :—

District.	Address of Centre.	Nurse.	Medical Officer.	Day and Time Open.
Adlington	Wesleyan Sunday School, Market St. ...	Miss M. Kennedy	Dr. R. B. Berry	Wednesday, 2-0—4-0
Aspull (New Springs)	Independent Methodist Sunday School, New Springs	Miss M. C. Williams	Dr. L. E. H. R. Barker	Wednesday, 2-0—4-0
Audenshaw	Hooley Hill Independent Church, Bridge Street	Miss M. G. Dickinson	Dr. E. R. Cooper	Monday, 2-30—4-0
Barrowford	Congregational Sunday School, Hill Top	Miss J. Hallett	Dr. C. L. Corbett	Thursday, 2-0—4-0
Bamber Bridge	Conservative Club, Cranborne Road	Mrs. M. C. Hoey	Dr. R. B. Berry	Thursday, 2-0—4-0
Broughton	Broughton Club, near Preston	Mrs. M. C. Hoey	Dr. G. G. Wray	Wednesday, 2-0—4-0
Briercliffe	Tennyson Street Mission Hall	Mrs. J. Martin	Dr. C. L. Corbett	Alternate Wednesday, 2-30—4-0
Church	Baptist Sunday School, Ernest Street	Miss A. Guthrie	Dr. H. Holroyd	Thursday, 2-0—4-0
Clifton	Mutual Benefit Library, Rake Lane	Miss V. Lydall	Dr. Davidson	Wednesday, 2-30—4-30
Dalton	Carnegie Library	Miss M. Steele	Dr. J. R. Jagger	Thursday, 2-0—4-0
Davyhulme	Council Offices	Mrs. E. Chambers	Dr. Davidson	Monday, 2-30—4-0
Droylsden	Wesleyan Schools, Manchester Road	Miss A. Smith	Dr. E. R. Cooper	Tuesday, 2-30—4-0
Feniscowles	Mission Hall, Preston Old Road	Miss A. Macqueen	Dr. H. Holroyd	Tuesday, 2-0—4-0
Fleetwood	Wesleyan Methodist Sunday School, North Church Street	Mrs. H. M. Dewhurst	Dr. R. J. Batty	Tuesday, 2-0—4-0

District.	Address of Centre.	Nurse.	Medical Officer.	Day and Time Open.
Fleetwood ...	Elm Street Mission Hall ...	Miss E. Knowles	Dr. R. J. Batty	Wednesday, 2-0—4-0
Flixton ...	The Institute, Flixton Road ...	Mrs. E. Chambers	Dr. Davidson	Tuesday, 2-30—4-0
Haydock ...	Wesleyan Sunday School, Clipsley Lane	Miss F. Heseltine	Dr. S. N. Wright	Wednesday, 3-0—5-0
Kearsley ...	Council Offices ...	Miss V. Lydall	Dr. E. H. Walker	Thursday, 2-0—4-0
Leyland ...	Congregational Schools, Quin Street	Mrs. A. McTaggart	Dr. G. G. Wray	Thursday, 2-30—4-0
Leyland ...	Bradshaw Street Mission Room	Mrs. A. McTaggart	Dr. G. G. Wray	Alternate Wednesday, 2-0—4-0
Little Lever ...	Church House Institute ...	Miss G. J. Wellard	Dr. E. H. Walker	Tuesday, 2-30—4-0
Littleborough ...	United Methodist Sunday School, Queen Street	Miss S. Beach	Dr. W. M. Ash	Thursday, 2-30—4-0
Longridge ...	Drill Hall ...	Mrs. M. C. Hoey	Dr. G. G. Wray	Alternate Tuesday, 2-0—4-0
Litherland ...	32, Linacre Road	Miss M. Robinson Miss E. Shaw	Dr. W. Rutherford	Tuesday, 2-0—4-0
Lytham ...	Albert Street Mission Hall	Miss A. Brand	Dr. R. J. Batty	Thursday, 2-0—4-0
Morecambe (B.)	West End Wesleyan Sunday School	Miss G. Menzies	Dr. J. A. Tomb	Monday, 2-0—4-0
Ormskirk ...	Church House, Church Street	Miss H. Dickinson	Dr. G. E. Scholefield	Tuesday, 2-0—4-0
Prescot ...	Parish Rooms, Warrington Road	Miss A. Walters Miss Hughes	Dr. E. H. Brook	Monday and Thursday, 2-0—4-0

District.	Address of Centre.	Nurse.	Medical Officer.	Day and Time Open.
Skelmersdale ...	Congregational Schools, Witham Street	Miss A. E. Fry	Dr. E. H. Brook	Wednesday, 11-0—1
Tottington ...	Council Offices ...	Miss A. Drinnan	Dr. G. H. Hutchinson	Wednesday, 2-30—4-0
Ulverston ...	Ratton Row Mission Hall	Miss M. F. Crosbie	Dr. J. R. Jagger	Tuesday, 2-0—4-0
Urmston ...	Co-operative Hall, Higher Road	Miss E. M. Lawley	Dr. E. H. Scholefield	Tuesday, 2-0—4-0
Walkden ...	Town Hall, Worsley	Miss A. I. Murphy	Dr. E. H. Scholefield	Thursday, 2-30—4-0
Waterloo... ..	United Methodist Sunday School	Miss E. C. Collins	Dr. E. R. Cooper	Alternate Thursday, 2-0—4-0
Whitefield ...	“ Uplands ” ...	Mrs. F. Tregarthen	Dr. G. H. Hutchinson	Tuesday, 2-30—4-0
Whitworth ...	Registry Office, Station Road, Facit	Miss M. Rochell	Dr. Forbes	Thursday, 2-45—4-0
Worsley ...	Court House ...	Miss A. I. Murphy	Dr. E. T. Scowbie	Wednesday, 3-0—4-0

xxix.

BRANCH CENTRES FOR DRIED MILKS.

District.	Address of Centre.	Day and Time Open.
Bromley Cross ...	Council Offices	Tuesday, 2-0—4-0
Clayton-le-Moors ...	Council Offices	Monday, 2-0—4-0
Lathom and Burscough ...	Council Offices	Friday, 10-0—11-0
Great Crosby ...	57, York Avenue	Wednesday, 2-0—4-0
Rishton ...	Council Offices	Monday, 12-0—2-0

Attendances at Child Welfare Centres.—Table C. here inserted is a summary of attendances at the County Child Welfare Centres during the year 1920.

Supply of Milk, &c.—On page xxxi. is a statement with regard to the supply of milk, &c., to necessitous cases during the year under report, and Table D. here inserted shows the amount distributed at each of the Child Welfare Centres.

TABLE C.—SUMMARY OF ATTENDANCES AT CHILD WELFARE CENTRES DURING THE
TWELVE MONTHS ENDED 31ST DECEMBER, 1920, TOGETHER WITH THE
NUMBER OF BIRTHS NOTIFIED DURING THE YEAR.

Name of Child Welfare Centre.	No. of times open.	No. of Births Notified during the 12 months or period open.	No. of Individual Children Attending.			No. of Attendances by Children.			No. of Attendances by Expectant Mothers.	
			Under 1 yr. old.	From 1-2 yrs. old.	Over 2 yrs. old.	Under 1 yr. old.	From 1-2 yrs. old.	Over 2 yrs. old.	No. of Individual Expectant Mothers Attending.	No. of Actual Attendances.
Adlington	46	107	115	78	33	767	197	168	2	8
<i>a</i> Aspull (N.S.)	24	231	80	9	21	390	29	27	...	...
Audenshaw	41	173	120	60	28	1243	495	98	...	...
Bamber Bridge	42	160	128	21	17	1002	167	98	6	35
<i>b</i> Barrowford	38	112	89	9	36	543	22	130	4	27
Briercliffe	21	60	59	17	17	318	80	50	5	9
Broughton	23	20	10	2	10	64	5	84	6	10
Church	43	132	170	33	20	1366	127	57	...	...
Dalton-in-Furness	44	384	78	25	57	302	73	132	7	18
Droylsden	46	342	220	50	2	1758	155	22	...	...
Feniscowles	44	14	25	8	12	208	52	49	...	...
Fleetwood (N. C. St.)	49	486	{ 291	85	76	2175	255	194	16	32
<i>c</i> Fleetwood (Elm St.)	26									
*Hale Bank	13	43	54	10	35	131	18	47	5	6
<i>d</i> Kearsley	16	87	74	20	8	401	78	20	...	...
Leyland (B. St.)	23	170	{ 20	11	14	98	68	118	...	...
Leyland (Quin St.)	40									
Litherland	45	418	384	137	52	2883	585	124	23	51
<i>e</i> Little Lever	41	102	111	37	34	1060	239	211	...	...
<i>f</i> Longridge	23	89	49	16	27	250	115	120	...	...
<i>g</i> Lytham	45	114	112	16	27	1015	111	163	6	39

TABLE C—Continued.

Name of Child Welfare Centre.	No. of times open.	No. of Births Notified during the 12 months or period open.	No. of Individual Children Attending.			No. of Attendances by Children.			No. of Attendances by Expectant Mothers.	
			Under 1 yr. old.	From 1-2 yrs. old.	Over 2 yrs. old.	Under 1 yr. old.	From 1-2 yrs. old.	Over 2 yrs. old.	No. of Individual Expectant Mothers Attending.	No. of Actual Attendances.
<i>h</i> Morecambe	12	54	97	30	29	227	63	57	9	12
Ormskirk	45	182	113	30	26	869	240	166	10	20
Prescot	88	256	446	170	183	2413	375	284	56	112
Skelmersdale	45	193	144	72	50	873	268	150	4	14
<i>i</i> Tottington	10	19	64	28	25	193	76	51	4	4
Ulverston	46	261	114	31	69	522	136	177	6	16
<i>j</i> Urmston	22	161	67	31	34	451	107	73	...	...
<i>k</i> Waterloo	17	75	47	15	2	137	24	2	2	4
(Limehurst R)										
Whitefield	44	123	212	33	9	1229	151	44	...	...
Whitworth	46	178	90	28	15	468	148	41	8	14
(Facit)										
Worsley	46	272	56	19	13	434	157	150	...	...
Walkden	45		168	43	9	1108	265	20	...	...

* Included in the Borough of Widnes (19/10/20).

a Centre opened 23rd June.
b " " 4th March.
c " " 30th June.
d " " 9th September.

e Centre opened 10th February.
f " " 3rd February.
g " " 5th February.
h " " 4th October.

i Centre opened, 20th October.
j " " 29th June.
k " " 22nd April.

TABLE D.—STATEMENT SHOWING SALES OF DRIED MILKS, &c., AT THE CHILD WELFARE CENTRES DURING THE YEAR
ENDED 31ST DECEMBER, 1920.

ENDED 31st DECEMBER, 1920.																
CENTRE.	Foodstuffs, &c.	Stock during year.		Disposed of								Stock on hand 31st December, 1920.				
				At Cost Price or Over.			At Less than Cost Price.			Free.						
		lbs.	Cost.	lbs.	Amount Received.	Profit.	lbs.	Amount Received.	Loss.	lbs.	Loss.	lbs.	Cost.			
Adlington	...	Glaxo	...	...	1405	£ s. d. 153 8 2	1343	£ s. d. 146 3 10	£ s. d. 0 0 4	(2	£ s. d. 0 4 8	Returned)	1	£ s. d. 0 2 4	59	£ s. d. 6 17 8
	...	Cod Liver Oil & Malt	...	...	96	6 8 0	84	5 12 0	...	...	...	...	...	...	12	0 16 0
	...	Sugar	...	...	99	3 15 0	99	4 7 5	0 12 5	...	...	...	...	...	...	...
	...	Cow and Gate	...	...	168	17 8 0	98	9 13 8	...	...	...	...	...	...	...	...
	...	Feeding Utensils	...	...	60	1 8 5	25	0 18 11½	0 1 1	21	2 5 6	0 3 6	(6 Returned	0 13 0)	43	4 12 4
	...	Virol	...	...	48	4 16 0	33½	3 7 0	...	...	...	...	...	...	35	0 10 6½
Aspull	...	Glaxo	...	...	480	52 0 0	457	49 10 2	...	...	...	...	...	...	23	2 9 10
	...	Virol	...	...	96	9 12 0	81	8 2 0	...	...	...	...	...	...	15	1 10 0
	...	Cod Liver Oil & Malt	...	...	24	1 12 0	17	1 2 8	...	...	...	...	...	...	7	0 9 4
	...	Sugar	...	...	18	0 15 0	18	1 0 8½	0 5 8½	...	...	...	...	...	...	...
Audenshaw	...	Glaxo	...	...	2952	324 12 0	2671	293 2 6	...	...	...	...	185	20 5 6	96	11 4 0
	...	Cow and Gate	...	...	1180	128 12 8	1141	124 2 0	...	...	...	...	2	0 4 4	37	4 6 4
	...	Virol	...	...	384½	35 2 4½	350	34 0 9½	1 14 2½	...	...	...	14½	0 15 9¼	20	2 0 0
	...	Horlick's Malted Milk	...	...	1733½	197 14 6	1668½	190 8 4¼	1 1 9¼	...	...	...	...	...	65	8 7 11
	...	Nestle's Milk...	...	...	33	1 17 9¾	33	1 19 10½	0 2 0¾	...	...	...	...	...	...	...
	...	Cartons	...	...	101	0 8 5	35	0 2 11	0 0 3	...	...	(Returned	66	0 5 9)	...	...
	...	Sugar	...	...	130	4 6 8	130	5 13 8½	1 7 0½	...	...	...	...	...	...	...
Bamber Bridge	...	Glaxo	...	...	811	88 13 2	716	77 15 6	...	...	...	...	37	4 2 4	58	6 15 4
	...	Cow and Gate	...	...	238	26 3 8	183	19 16 6	...	...	...	...	...	...	55	6 7 2
	...	Cod Liver Oil & Malt	...	...	120	8 0 0	104	6 18 8	...	...	...	...	7	0 9 4	9	0 12 0
	...	Feeding Utensils	...	...	253	5 11 7½	200	3 17 9	0 2 1	(18	0 1 6	Returned)	1	0 0 1	34	1 14 4½
	...	Virol	...	...	170¼	15 5 1¼	73½	6 19 2	0 10 10	...	...	...	74¼	6 11 9¼	22½	2 5 0
	...	Sugar	...	...	135	5 1 8	135	5 13 9	0 12 1	...	...	...	...	...	...	...
Barrowford	...	Glaxo	...	...	288	32 0 0	185	20 2 6	...	...	...	...	17	1 16 10	86	10 0 8
	...	Cod Liver Oil & Malt	...	...	36	2 8 0	19	1 5 4	...	...	...	...	...	...	17	1 2 8
	...	Virol	...	...	68½	6 17 0	43½	4 7 0	...	...	...	...	6	0 12 0	19	1 18 0
	...	Sugar	...	...	46	1 16 8	46	2 8 8	0 12 0	...	...	...	...	...	...	...
Briercliffe	...	Cow and Gate	...	...	96	10 8 0	23	2 9 10	...	...	...	...	73	7 18 2	...	...
	...	Virol	...	...	88	7 10 0	82¼	7 16 3	0 14 9¼	...	...	...	3¼	0 3 6¼	2½	0 5 0
	...	Sugar	...	...	43½	1 15 0	43½	2 7 2	0 12 2	...	...	...	...	...	...	...
	...	Glaxo	...	...	288	32 0 0	288	32 0 0	...	...	...	...	...	...	...	...
	...	Cartons	...	...	144	0 12 0	39	0 3 3	...	...	...	(Returned	105	0 8 9)	...	...
Broughton	...	Sugar	...	...	52	1 19 2	52	2 6 8	0 7 6	...	...	...	...	...	...

TABLE D—Continued.

CENTRE.	Foodstuffs, &c.	Stock during year.		Disposed of								Stock on hand 31st December, 1920.	
				At Cost Price or Over.			At Less than Cost Price.			Free.			
		lbs.	Cost.	lbs.	Amount Received.	Profit.	lbs.	Amount Received.	Loss.	lbs.	Loss.	lbs.	Cost.
			£ s. d.		£ s. d.	£ s. d.		£ s. d.	£ s. d.		£ s. d.		£ s. d.
Bromley Cross ...	Glaxo	148	16 0 8	127	13 15 2	...	...	...	...	10	1 1 8	11	1 3 10
Church	Glaxo	2074	229 1 8	1705	187 16 0	...	...	...	...	266	29 5 4	103	12 0 4
	Virol	224	19 18 6	113½	10 19 6	0 13 7½	(28	1 12 6	Returned)	47	4 9 1½	35½	3 11 0
	Feeding Utensils ...	252	6 6 6	188	4 3 8	0 13 9	...	...	...	1	0 0 2½	63	2 16 4½
	Sugar	70	2 14 2	70	3 9 8	0 15 6	...	...	...	...	...	...	...
Clayton-le-Moors	Cod Liver Oil & Malt	48	3 4 0	39	2 12 0	...	...	...	...	...	...	9	0 12 0
	Virol	95½	9 11 0	86½	8 13 0	...	...	...	...	½	0 1 0	8½	0 17 0
	Glaxo	1152	128 0 0	926	102 16 2	0 11 2	...	...	...	94	10 7 0	132	15 8 0
Dalton-in-Furness	Sugar	15	0 10 0	14½	0 16 11	0 7 3	...	...	...	½	0 0 4	...	...
Droylsden ...	Glaxo	4808	528 1 4	4396	484 14 0	2 8 0	366	20 4 4	20 4 4	4	0 8 8	42	4 18 0
	Horlick's Malted Milk	733½	83 11 9	618½	70 11 11½	1 10 5	9	0 15 9	0 0 7½	...	...	106	13 13 10
	Virol	563¾	50 12 8¾	537¼	51 13 3	3 13 6¼	...	...	...	...	...	26½	2 13 0
	Cow and Gate	1225	135 2 2	1065	117 12 0	1 1 0	16	0 17 10	0 17 10	3	0 6 6	141	16 9 0
	Nestle's Milk...	153	9 11 8¼	140	8 19 6½	0 5 2¼	(13	0 16 10	0 0 6	Returned)	...	...	...
	Sugar	100	3 6 8	94	3 4 2	0 1 6	...	...	...	6	0 4 0	...	...
	Feeding Utensils ...	189	0 15 9	130	0 10 10	0 0 1	...	...	(Returned	59	0 5 0)	...	...
Feniscowles ...	Glaxo	351	38 8 6	203	22 2 4	0 5 4	30	1 12 6	1 12 6	54	5 17 2	...	...
	Virol	76	6 6 4	48	4 9 8	0 11 1	...	...	(Returned	31	3 12 4)	33	3 17 0
	Feeding Utensils ...	132	2 16 8	72	1 4 4	0 2 5	...	...	...	18	1 7 9	10	1 0 0
	Sugar	24	0 17 6	24	1 4 6½	0 7 0½	...	...	...	...	...	60	1 14 9
Fleetwood (N. Church St.)	Glaxo	1992	217 0 0	1937	212 4 4	1 7 6	1	0 1 1	0 1 1	5	0 10 10	...	...
	Virol	75½	6 5 0	66	6 2 10	0 16 6¼	...	...	(Returned	4	0 8 8)	45	5 1 6
	Cartons	144	0 12 0	106	0 8 10	...	(27	0 2 3	Returned)	11½	0 0 8¼	9	0 18 0
	Sugar	285	10 16 8	280	13 0 4½	2 9 6½	(Transferred to Elm	...	Street C.W.C.)	5	0 5 10	...	...
	Cod Liver Oil & Malt	36	2 8 0	26	1 14 8	...	...	...	...	2	0 2 8	8	0 10 8
Fleetwood (Elm Street)	Glaxo	1313	145 11 8	1310	146 11 4	1 6 4	(1	0 2 4	Returned)	2	0 4 4	...	...
	Virol	48	4 16 0	33	3 6 0	...	...	...	...	...	...	15	1 10 0
	Cod Liver Oil & Malt	24	1 12 0	24	1 12 0	...	...	...	...	...	...	...	...
	Sugar	5	0 5 10	5	0 5 10	...	...	...	...	...	...	...	...
Garstang ...	Glaxo	15	1 12 6	15	1 12 6	...	...	...	...	...	...	20	2 0 0
	Virol	34	3 8 0	14	1 8 0	...	...	...	...	...	...	...	...
Great Crosby ...	Glaxo	48	5 12 0	43	5 0 4	...	...	...	...	4	0 9 4	1	0 2 4
	Virol	24	2 8 0	9	0 18 0	...	...	...	...	4	0 8 0	11	1 2 0

TABLE D—Continued.

CENTRE.	Foodstuffs, &c.	Stock during year.		Disposed of								Stock on hand 31st December, 1920.		
				At Cost Price or Over.			At Less than Cost Price.			Free.				
		lbs.	Cost.	lbs.	Amount Received.	Profit.	lbs.	Amount Received.	Loss.	lbs.	Loss.	lbs.	Cost.	
Hale Bank	Glaxo	192	£ s. d. 20 16 0	44	£ s. d. 4 15 4	£ s. d. ...	16	£ s. d. 0 17 4	£ s. d. 0 17 4	66	£ s. d. 7 3 0	{ 66 12 24 15 9	£ s. d. 7 3 0	
	Virol	24	2 8 0	12	1 4 0	...	...	...	Sold to	Widnes	Authority		1 4 0
	Feeding Utensils	30	0 18 3	6	0 2 6	0 0 3	...	...	...	...	...		0 16 0
	Cod Liver Oil & Malt	60	4 0 0	42	2 16 0	...	3	0 2 0	0 2 0	...	...		1 0 0
	Sugar	27	1 2 6	18	1 0 11	0 5 11	...	...	(Transferred to Pre	scot C.W.C.)	...		0 7 6
Kearsley	Glaxo	2592	284 16 0	2291	252 10 10	1 3 0	(4	0 8 8	Returned)	251	27 12 2	46	5 7 4	
	Virol	524	49 18 6	456¼	44 16 1	1 6 10¾	...	...	...	26¼	2 6 3¾	41½	4 3 0
	Cartons	144	0 12 0	144	0 12 0	...	...	...	...	...	...	...	...
	Horlick's Malted Milk	192	24 10 8	113	14 11 11	0 5 4	2	0 5 1	0 0 1)	8	1 0 8	69	8 18 3	
Leyland	Glaxo	989	108 6 10	897	98 8 4	0 16 0	...	...	...	1	0 2 2	91	10 12 4
	Sugar	178½	6 11 8	178½	7 16 10	1 5 2	...	...	...	...	...	...	...
	Cod Liver Oil & Malt	156	10 8 0	80	5 6 8	...	14	0 9 4	0 9 4	1	0 1 4	61	4 1 4	
	Virol	24	2 8 0	18½	1 17 0	...	...	...	...	...	...	5½	0 11 0
Litherland	Glaxo	6694	733 11 8	6400	700 9 10	...	134	7 5 7	7 5 7	42	4 15 10	115 32 35 48 23	13 8 4	
	Trumilk	32	3 4 0	(Returned	3	0 6 6)		32	3 4 0
	Virol	576	47 13 1½	478	45 4 0	4 9 1½	(56	3 0 8	Returned)	7	0 7 7		35	3 10 0
	Sugar	97	3 4 8	49	2 15 0½	1 2 4½		48	1 12 0
	Cod Liver Oil & Malt	96	6 8 0	73	4 17 4		23	1 10 8
	Cow and Gate	147	15 18 6	123	13 6 6	...	22	1 3 10	1 3 10	2	0 4 4	
	Cartons	518	2 5 2	10	0 0 10	...	508	2 2 4	0 2 0

Little Lever	Glaxo	1057	116 2 2	982	108 15 6	1 0 6	(3	0 6 6	Returned)	68	7 11 4	4	0 9 4	
	Virol	336	32 6 0	287½	28 6 4	0 15 6	...	...	...	5	0 8 2	43½	4 7 0
	Sugar	112	4 6 8	112	5 4 3	0 17 7	...	...	...	...	...	...	...
	Cartons	144	0 12 0	104	0 8 8	(Returned	30	0 2 6)	(Transferred to	Litherland	...	10	0 0 10)	
	Horlick's Malted Milk	201	25 10 8	172	22 4 4	0 5 4	9	0 19 6	0 0 6	...	...	...	...
Little Hulton	Glaxo	1689	186 3 6	1451	159 16 2	0 11 0	2	0 5 1	0 0 1)	...	...	18	2 6 6
	...	...	...	...	...	...	...	...	...	124	13 12 4	114	13 6 0
Longridge	Glaxo	48	5 4 0	43	4 13 2	...	4	0 4 0	0 4 8	...	...	1	0 2 2
	Cod Liver Oil & Malt	108	7 4 0	88	5 17 4	...	...	...	...	...	...	20	1 6 8
	Sugar	65	2 9 2	65	3 1 7	0 12 5	...	...	...	...	...	...	...
Lytham	Glaxo	780	85 2 0	761	84 4 4	1 3 8	...	...	...	18	1 19 0	1	0 2 4
	Virol	84	8 8 0	64½	6 9 0	...	...	...	...	4	0 8 0	15½	1 11 0
	Sugar	81	3 2 6	81	4 0 0½	0 17 6½	...	...	...	...	...	...	...
	Cod Liver Oil & Malt	36	2 8 0	24	1 12 0	...	...	...	...	4	0 5 4	8	0 10 8
Lancaster Rural	Cod Liver Oil & Malt	84	5 12 0	...	...	...	...	...	...	80	5 6 8	4	0 5 4

TABLE D—Continued.

CENTRE.	Foodstuffs, &c.	Stock during year.		Disposed of								Stock on hand 31st December, 1920.	
				At Cost Price or Over.			At Less than Cost Price.			Free.			
		lbs.	Cost.	lbs.	Amount Received.	Profit.	lbs.	Amount Received.	Loss.	lbs.	Loss.	lbs.	Cost.

Morecambe	...	Glaxo	...	...	240	£ s. d. 27 12 0	162	£ s. d. 18 18 0	£ s. d. 0 7 8	...	£ s. d. ...	£ s. d. ...	12	£ s. d. 1 7 8	66	£ s. d. 7 14 0
	...	Feeding Utensils	...	...	36	1 2 4	13	0 8 0	0 0 8	...	...	...	...	1 7 8	23	0 15 0
	...	Virol	...	...	24	2 8 0	13	1 6 0	...	...	...	...	...	...	11	1 2 0
	...	Cod Liver Oil & Malt	...	...	24	1 12 0	14	0 18 8	...	...	...	...	6	0 8 0	4	0 5 4
Ormskirk	...	Cow and Gate	...	...	895	98 11 2	589	64 9 4	...	26	1 8 2	1 8 2	280	31 5 6	...	...
	...	Virol	...	...	159 ³ / ₄	15 5 0 ³ / ₄	133 ¹ / ₄	13 0 11 ¹ / ₂	0 8 10 ³ / ₄	¹ / ₂	0 0 6	0 0 6	1	0 2 0	25	2 10 0
	...	Cod Liver Oil & Malt	...	...	60	4 0 0	28	1 17 4	...	...	...	...	...	...	32	2 2 8
	...	Sugar	...	...	63	2 2 0	63	2 17 6	0 15 6	...	...	...	...	...	...	...
	...	Glaxo	...	...	240	27 4 0	186	20 19 8	...	...	...	...	...	...	24	2 16 0
	...	Lactagol	...	...	24	1 8 2	1	0 1 4	0 3 10	1	0 0 7 ¹ / ₂	0 0 8 ¹ / ₂	30	3 8 4	22	1 9 4
	...	Feeding Utensils	...	...	191	4 5 10	110	1 18 9 ¹ / ₂	0 1 7	(34	0 2 10	Returned)	2	0 0 2	45	2 5 7 ¹ / ₂
Prescot	...	Glaxo	...	...	7500	810 2 0	3793	409 8 2	0 0 6	1102	59 13 4	59 12 4	2228	241 2 0	374	39 19 8
	...	Cow and Gate	...	...	685	74 0 10	327	35 8 6	...	42	2 5 6	(Returned 2 5 6)	3	0 7 0)	140	15 0 0
	...	Virol	...	...	521 ¹ / ₈	46 17 5 ¹ / ₈	398 ³ / ₄	37 6 0	0 19 11 ⁷ / ₈	37	1 17 0	1 17 0	176	19 1 4	24 ¹ / ₂	2 9 0
	...	Sugar	...	...	238	8 10 2	230 ¹ / ₂	11 11 5 ¹ / ₂	3 7 6	...	...	...	60 ⁷ / ₈	4 8 5	...	...
	...	Horlick's Malted Milk	...	...	585 ¹ / ₄	74 12 0	314 ¹ / ₂	40 8 11	0 16 0 ¹ / ₂	41	3 18 6	1 7 5	7 ¹ / ₂	0 6 2 ¹ / ₂	...	...
	...	Feeding Utensils	...	...	800	10 16 9 ¹ / ₂	637	9 11 0	0 8 7	...	...	(Returned 1 0 2 7)	1	0 2 7)	72	9 6 0
	...	Cod Liver Oil & Malt	...	...	504	33 12 0	247	16 9 4	...	20	0 13 4	0 13 4	111	0 9 11 ¹ / ₂	52	1 4 5
Rishton	...	Glaxo	...	...	1273	139 18 2	1009	110 7 10	...	4	0 8 8	0 0 8	159	17 6 0	...	...
	...	Virol	...	...	99	9 18 0	63	6 6 0	...	...	...	(Returned 4 0 8 8)	4	0 8 8)	97	11 6 4
St. Annes	...	Glaxo	...	...	38	4 2 4	15	1 12 6	...	...	...	...	...	...	23	2 9 10
	...	Virol	...	...	20	1 1 8	2	0 3 4	0 1 2	...	...	...	...	...	18	0 19 6
Skelmersdale	...	Cow and Gate	...	...	1589	170 9 2	1238	133 9 0	...	24	1 6 0	1 6 0	66	7 7 8	261	27 0 6
	...	Glaxo	...	...	816	90 16 0	415	45 0 6	...	4	0 4 4	0 4 4	134	14 13 2	263	30 13 8
	...	Virol	...	...	141 ³ / ₄	13 2 2 ¹ / ₄	104 ¹ / ₂	10 4 6	0 7 10 ¹ / ₂	...	...	...	15 ³ / ₄	1 2 6 ³ / ₄	21 ¹ / ₂	2 3 0
	...	Sugar	...	...	35	1 3 4	35	1 13 6 ¹ / ₂	0 10 2 ¹ / ₂	...	...	...	...	...	...	...
	...	Cod Liver Oil & Malt	...	...	60	4 0 0	31	2 1 4	...	1	0 0 8	0 0 8	...	...	...	...
	...	Feeding Utensils	...	...	353	4 13 1	190	3 3 3	0 2 0	(38	0 5 9	Returned)	12	0 16 0	16	1 1 4
Sabden	...	Glaxo	...	...	96	10 8 0	88	9 10 8	...	...	...	...	8	0 17 4	...	...
	...	Virol	...	...	12	1 4 0	...	...	...	...	...	...	12	1 4 0	...	...
Tottington	...	Glaxo	...	...	336	37 4 0	148	16 9 8	...	118	12 15 8	0 19 8	8	0 18 4	62	6 0 8
	...	Virol	...	...	72	7 4 0	49 ¹ / ₂	4 19 0	...	...	...	...	...	...	22 ¹ / ₂	2 5 0
	...	Feeding Utensils	...	...	36	1 2 4	16	0 5 7 ¹ / ₂	0 0 8	...	...	...	...	...	20	0 17 4 ¹ / ₂
	...	Cow and Gate	...	...	12	1 8 0	...	...	...	12	1 6 0	0 2 0	...	...	...	...

TABLE D—Continued.

CENTRE.	Foodstuffs, &c.	Stock during year.		Disposed of								Stock on hand 31st December, 1920.	
				At Cost Price or Over.			At Less than Cost Price.			Free.			
		lbs.	Cost.	lbs.	Amount Received.	Profit.	lbs.	Amount Received.	Loss.	lbs.	Loss.	lbs.	Cost.

Ulverston	...	Sugar	...	...	15	£ s. d. 0 10 0	11¼	£ s. d. 0 11 6	£ s. d. 0 4 0	...	£ s. d. ...	£ s. d. ...	3¾	£ s. d. 0 2 6	...	£ s. d. ...
Urmston	...	Glaxo	...	...	720	81 4 0	511	57 12 4	0 16 0	...	...	...	...	...	209	24 7 8
		Virol	...	...	72	7 4 0	45½	4 11 0	...	...	...	...	...	...	26½	2 13 0
		Sugar	...	...	18	0 15 0	11	0 12 2	0 3 0	...	...	...	...	...	7	0 5 10
Waterloo (Limehurst R.)	...	Glaxo	...	...	96	10 8 0	64	6 19 8	0 5 8	...	...	...	8	0 18 0	24	2 16 0
		Virol	...	...	24	2 8 0	19½	1 19 0	...	...	...	...	...	...	4½	0 9 0
		Cod Liver Oil & Malt	...	...	48	3 4 0	26	1 14 8	...	...	...	...	...	...	22	1 9 4
		Sugar	...	...	36	1 10 0	5¾	0 6 8½	0 1 11	...	...	...	...	...	30¼	1 5 2½
Whitefield	...	Virol	...	...	144	14 8 0	142½	14 5 0	...	...	...	...	...	...	1½	0 3 0
		Sugar	...	...	71	2 13 4	70¾	3 9 2	0 16 0½	...	...	...	¼	0 0 2½	...	...
Whitworth (Facit)	...	Glaxo	...	...	576	62 8 0	500	54 3 4	...	...	...	...	76	8 4 8	...	...
		Virol	...	...	76	6 6 0	54¾	5 0 11	0 15 4¼	...	...	...	2¼	0 2 5¼	19	1 18 0
		Lactagol	...	...	72	4 4 6	59	3 18 8	0 10 4	...	...	...	8	0 9 6	5	0 6 8
		Sugar	...	...	71	2 13 4	71	3 8 5½	0 15 1½	...	...	...	...	...	...	...
		Feeders	...	...	24	1 12 6	2	0 2 9	0 0 6	...	...	...	...	...	22	1 10 3
Worsley	...	Glaxo	...	...	649	71 10 2	479	52 19 8	1 4 6	(16	1 17 4	Returned)	...	...	154	17 17 8
		Virol	...	...	182¼	14 4 9¼	75¾	6 17 11	1 4 5¼	(Returned	28	1 10 0	19½	1 2 11½	59	5 18 0
		Cartons	...	...	131	0 10 11	31	0 2 7	0 1 4	(100	0 9 8	Returned)	...	...	...	...
		Sugar	...	...	89	3 8 4	89	4 4 8	0 16 4	...	...	...	...	...	...	...
Walkden	...	Glaxo	...	...	2154	235 15 0	1838	202 5 4	3 3 0	...	...	...	...	...	316	36 12 8
		Virol	...	...	279½	23 18 1½	224	21 3 0	2 4 5	...	...	...	22	1 12 6½	33½	3 7 0
		Cow and Gate	...	...	222	24 17 0	106	11 13 0	0 6 2	...	...	...	3	0 6 6	113	13 3 8
		Cartons	...	...	83	0 6 11	76	0 6 4	...	...	...	...	...	...	7	0 0 7
		Sugar	...	...	187	6 13 4	187	9 2 1½	2 8 9½	...	...	...	...	...	...	...

xxxii.

FOOD SUPPLIED.	OLD CASES.		NEW CASES.		TOTAL OF OLD AND NEW CASES.			
	No. of Cases.	Quantity Supplied.	No. of Cases.	Quantity Supplied.	Less than Cost Price.		Free of Cost.	
					No. of Cases.	Quantity Supplied.		
Fresh Milk	52	1,971 pints	635	130,671 pints	110	30,972 pints	577	101,670 pints
Glaxo	50	241 lbs.	223	5,616 lbs.	77	1,950 lbs.	196	3,907 lbs.
Cow and Gate	4	19 lbs.	32	519 lbs.	3	61 lbs.	33	477 lbs.
Vinol	11	16 lbs. 2 oz.	67	424 lbs. 6 oz.	8	71 lbs.	70	369½ lbs.
Cod Liver Oil and Malt	...	...	34	404 lbs.	5	76 lbs.	29	328 lbs.
Horlick's Malted Milk	...	...	26	208 lbs.	5	41 lbs.	21	167 lbs.

NOTE.—By "Old" Case is meant one which was granted prior to 1st January, 1920.
By "New" Case is meant one which has been granted during the year 1920.

The Principal Epidemic Diseases. — For statistical purposes and for comparison with previous years' reports, under the term "principal epidemic diseases" the following are grouped together: small-pox, measles, scarlet fever, diphtheria (including membranous croup), whooping cough, fever (including enteric, typhus and continued fever), and *diarrhœa and enteritis.

The fatalities in the year 1920 classified as due to these diseases numbered 1,240, against 821 in 1919, and 1,479 in 1918.

The table below compares the deaths in 1920 with the preceding year, and also gives the number of notified cases for the two years:—

	Small-pox.	Measles.	Scarlet fever.	Diphtheria.	Whooping cough.	Enteric fever.	*Diarrhœa.
Deaths :—							
1920... ..	1	331	53	202	160	52	*441
1919 .. ...	...	130	72	222	86	35	*276
Increase or decrease in 1920	+1	+201	−19	−20	+74	+17	+165
Notified cases :—							
1920... ..	83	†	4831	2120	†	183	†
1919... ..	4	13021	4080	1789	†	152	†
Increase or decrease in 1920	+79	...	+751	+331	...	+31	...

* The Registrar-General, in his statistics for the whole country, includes under the heading of Diarrhœa and Enteritis *only* those deaths occurring amongst children *under the age of two years*, and for comparative purposes the Administrative County deaths and death-rates since 1916 have been similarly classified; in preceding years the County diarrhœa totals and rates included deaths *at all ages*. The total diarrhœa deaths in the Administrative County in 1920 numbered 648, or 188 more than in 1919.

† Not notifiable.

The death-rate in 1920 from these diseases, calculated per 1,000 of the estimated population, was: County 0·71, urban districts 0·75, and rural districts 0·45, which show increases as compared with last year of 0·22, 0·23, and 0·14 per 1,000 respectively, but as compared with the ten years' average the County rate for 1920 is more favourable to the extent of 0·47 per 1,000. Excepting 1919 the rate is the lowest recorded.

The following table gives the epidemic death-rates for the County during 1920, compared with the ten years 1910-1919:—

YEAR.	Annual Death-rate per 1,000 of the population.							
	Principal Epidemic Diseases.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria (including Membranous Group).	Whooping Cough.	* Enteric Fever.	† Diarrhœa and Enteritis.
1910	1·00	nil.	0·15	0·10	0·11	0·23	0·10	0·29
1911	2·25	nil.	0·29	0·08	0·14	0·15	0·12	1·43
1912	1·12	nil.	0·30	0·05	0·12	0·24	0·08	0·30
1913	1·57	nil.	0·31	0·05	0·11	0·13	0·10	0·85
1914	1·25	nil.	0·28	0·09	0·13	0·18	0·07	0·48
1915	1·52	nil.	0·49	0·08	0·14	0·20	0·07	0·52
1916	†0·88	0·003	0·17	0·06	0·15	0·14	0·05	†0·27
1917	†0·78	nil.	0·27	0·03	0·13	0·11	0·04	†0·18
1918	†0·96	nil.	0·20	0·03	0·15	0·31	0·05	†0·19
1919	†0·49	nil.	0·07	0·04	0·13	0·05	0·02	†0·16
County Average 10 years.	†1·18	0·0003	0·25	0·06	0·13	0·17	0·07	†0·46
†1920								
COUNTY	0·71	0·005	0·19	0·03	0·11	0·09	0·03	0·25
Urban	0·75	0·006	0·20	0·03	0·11	0·09	0·03	0·27
Rural	0·45	nil.	0·12	0·01	0·12	0·06	0·01	0·10

* Prior to 1911 the "fever" death-rate included deaths from typhus and continued fevers (if any). † Enteritis deaths included since 1911. ‡ Since 1916 the County epidemic death-rates and diarrhœa death-rates include deaths from diarrhœa and enteritis under two years of age *only*. Including the total diarrhœa deaths at all ages the County epidemic death-rate in 1920 was 0·83, and the diarrhœa death-rate 0·37. In 1919 these rates were 0·60 and 0·27 respectively.

The epidemic death-rate of each County district is shown in Table B, page xviii.

In 20 districts the rate was	under 0·25 per 1,000	(35)
„ 29 „	between 0·25 and 0·50 per 1,000	(47)
„ 51 „	„ 0·50 „ 1·0 „	(29)
„ 17 „	„ 1·0 „ 2·0 „	(11)
„ 5 „	„ 2·0 „ 3·0 „	(0)

The figures in parenthesis give the number of districts with the specified rates in 1919.

The highest epidemic death-rates in 1920 were attained in—Aspull and Dalton-in-Furness each 2·90, Hindley 2·64, Golborne 2·34, Tyldesley-with-Shakerley 2·03, Rainford 1·74, Ince-in-Makerfield 1·63, and Litherland 1·54.

Extending over a period of ten years the following districts had the highest epidemic death-rates:—Ince-in-Makerfield 2·76, Aspull 2·74, Widnes (B.) 2·51, Golborne 2·43, Hindley 2·29, Ashton-in-Makerfield 2·25, Tyldesley-with-Shakerley 2·19, Leigh (B.) 2·18, Haydock 2·17, Little Lever 2·14, Prescott 2·12, Skelmersdale 2·05, and Abram 2·03.

Small-pox.—The cases of small-pox notified in 1920 in the Administrative County area were more numerous than in any year since 1906, but were confined to two districts, viz., Middleton (B) *81 cases, and Eccles (B.) 2 cases. One of the latter cases had a fatal termination.

On the 13th October, 1920, the co-operation of the County staff was asked for in dealing with the outbreak of small-pox in Middleton, and after making enquiries the opinion was formed that the disease would probably assume epidemic proportions. Cases were occurring rapidly, and up to and including the 15th October, 27 notifications were received

* Two other cases occurred in Middleton, but passed through the disease at home before their illness was recognised as being small-pox, and consequently were not notified.

by the Medical Officer of Health of the Borough. During the epidemic 83 cases occurred. Most of the cases occurred in children, due to the fact that a missed case attended one of the largest elementary schools in the Borough in an infectious condition during a period of three weeks.

One of the most important features in connection with the spread of the disease was the occurrence of a number of missed or unrecognised cases.

Out of the total of 83 cases, 66 were unvaccinated, and no case was notified in persons who had been vaccinated within the last seven years. The cases were removed to the following hospitals :—

Ashton-under-Lyne & District Small-pox Hospital,					
Hartshead Pike	...	...	...	...	12
Chadderton, Crompton, and Royton Small-pox					
Hospital, Racefield	...	...	...	...	52
Manchester Corporation Hospital, Clayton Vale...					17
Unrecognised cases, not removed	...	...	...	...	2

The number of vaccinations carried out during the epidemic was as follows :—

	Primary.	Re-vaccinations.	Total.
By Assistant County Medical			
Officers	365	802	1,167
„ Public Vaccinators	624	1,019	1,643
„ General Practitioners	...	...	1,600
			<hr/> 4,410 <hr/>

The vaccinations performed by the Assistant County Medical Officers were carried out under the Public Health (Small-pox Prevention) Regulations, 1917.

The County death-rate from this disease, 0·03 per 1,000 (urban districts 0·03 ; rural districts 0·01), was exactly one-half the average of the preceding ten years. The rate for England and Wales in 1920 was 0·04.

The case mortality in 1920 corresponded to 1·09 per cent., against 1·76 per cent. in 1919, and 2·49 per cent. in 1918. Of the total deaths, 37·7 per cent. were amongst children under the age of five years.

Notifications were most numerous in Swinton and Pendlebury 252 (1 death), Stretford 241 (1 death), Eccles (B.) 220 (3 deaths), Ashton-under-Lyne (B.) 166 (3 deaths), Waterloo-with-Seaforth 158 (3 deaths), Leigh (B.) 128 (1 death), and Nelson (B.) 128 (1 death).

Of the total cases notified (4,831), 45·9 per cent. (2,218) were removed to hospitals ; in 1919 and 1918 the percentages of removals were 47·0 and 50·5 respectively.

In 6 districts all the cases received hospital isolation, and in 17 other districts over 80 per cent. of removals took place.

Schools were closed in 3 districts on account of this disease.

Whooping Cough.—The deaths allocated to this disease during 1920 numbered 160, against 86 in the previous year. In 1918 there were 478 deaths.

The ages-at death were :—

Under 1 year ... 91 or 56·8 per cent.

Between 1 year and 5 years ... 64 or 40·0 per cent.

Five years and upwards ... 5 or 3·1 per cent.

The County mortality rate was 0·09 per 1,000 (urban districts 0·09 ; rural districts 0·06), as compared with 0·05 last year, 0·31 in 1918, and an average of 0·17 for the ten years 1910-1919. The rate for England and Wales in 1920 was 0·11.

Thirteen deaths were registered in Chorley (B.) and 10 in Swinton and Pendlebury. No other districts had more than 6 deaths. School closure was resorted to in 11 districts.

Diphtheria and Croup.—The notifications from diphtheria and croup in 1920 were in excess of those of any year since 1903, but the disease was characterised by a low case mortality.

		Cases.		Deaths.		Case Mortality.
1917	...	1,440	...	212	...	14·7
1918	...	1,592	...	244	...	15·3
1919	...	1,789	...	222	...	12·4
1920	...	2,120	...	202	...	9·5

The County death-rate from diphtheria has varied very little for many years; in 1920 it was 0·11 (urban districts 0·11, rural districts 0·12), against 0·13 last year and an average of 0·13 for the ten years 1910-1919. This is the only rate amongst the “principal epidemic diseases” which is higher in rural areas than in urban districts.

The diphtheria death-rate for England and Wales in the year under report was 0·15.

Of the total deaths (202), 96, or 47·51 were amongst children under the age of five years.

The incidence of the disease was greatest in Leigh (B.), 105 cases, 5 deaths; Waterloo-with-Seaforth, 77 cases, 9 deaths; Widnes (B.), 77 cases, 3 deaths; Ormskirk, 73 cases, 3 deaths; Colne (B.), 65 cases, 8 deaths; and Whiston (R.), 64 cases, 3 deaths.

Of the total cases notified, 1,005, or 47·4 per cent., were removed to hospital; in these cases the mortality was 8·15 per cent. In the 1,115 cases treated at home the mortality was 10·76 per cent.

Schools were closed in seven districts. From 75 districts 1,790 swabs were submitted for examination.

Enteric Fever.—The following table shows the incidence of enteric fever in the Administrative County from the year 1898 to 1920 :—

Cases.					Deaths.				
1898	...	2661	...	478	1910	...	1016	...	193
1899	...	2674	...	457	1911	...	1091	...	220
1900	...	2183	...	399	1912	...	620	...	147
1901	...	2094	...	364	1913	...	875	...	180
1902	...	1747	...	297	1914	...	650	...	123
1903	...	1479	...	277	1915	...	530	...	127
1904	...	1235	...	233	1916	...	387	...	94
1905	...	1335	...	255	1917	...	302	...	74
1906	...	1248	...	252	1918	...	319	...	91
1907	...	859	...	164	1919	...	152	...	35
1908	...	1219	...	224	1920	...	183	...	52
1909	...	994	...	192					

The attack-rate per 1,000 of the estimated population has fallen from 1·41 in the year 1898 to 0·10 in the year under report. The case mortality in 1920 corresponded to 28·4 per cent. against 23·0 per cent. in the year 1919.

The death-rate calculated per 1,000 of the population was 0·03 for the whole County and for the urban districts, and 0·01 for the rural districts. The rate for England and Wales was 0·01. The County average for the ten years 1910-1919 was 0·07.

Forty per cent. of the persons attacked were removed to hospital. The hospital case mortality was 22·9 per cent. against home mortality 32·1 per cent. Last year these figures were 17·33 and 28·57 per cent. respectively.

In 44 districts no cases of enteric fever were notified.

From 46 districts, 165 blood specimens were submitted for examination.

Diarrhœa and Enteritis.—Under this heading were registered 648 deaths *at all ages*, as compared with 460 deaths last year, and 559 in 1918.

The Registrar-General, in his statistics, now includes under this heading *only deaths of children under the age of two years*. The number of such deaths in the County in 1920 was 441, against 276 and 298 in the two preceding years.

The County diarrhœa and enteritis death-rate, if calculated on the *total deaths at all ages*, corresponded to 0·37 per 1,000 of the population (urban districts 0·39, rural districts 0·24), as compared with a rate of 0·27 last year. If only deaths *amongst children under two years of age* are taken into account, the County death-rate was 0·25 per 1,000 (urban districts 0·27, rural districts 0·10), against 0·16 in the year 1919, 0·19 in 1918, and 0·18 in 1917.

Of the total diarrhœa deaths (648), 396, or 61·1 per cent., were amongst children under the age of one year, 74, or 11·4 per cent., between one and five years, and 178, or 27·4 per cent., were of persons over five years of age.

The County diarrhœa and enteritis deaths amongst children under two years of age corresponded to 11·08 per 1,000 of the total births, as compared with a rate of 8·3 for the whole of England and Wales.

The mortality rate from diarrhœa as regards children under two years of age was greatest in Hindley, 0·93; Prescot, 0·89; Golborne and Leigh (B.), each 0·69; Aspull and Ince-in-Makerfield, each 0·66; and Audenshaw, 0·61.

Acute Poliomyelitis.—The number of cases notified as poliomyelitis was 16, and the deaths registered 8. Of the cases, 13 were in urban districts and three in rural districts. Five of the deaths were of cases not included in the 16 notifications. Last year the figures were—cases 20, deaths, 5.

Cerebro-Spinal Fever.—Twenty-six cases were notified and 15 deaths registered. Two of the deaths were of cases not notified. Twenty-five cases occurred in urban districts, and one in rural districts. In the year 1919 there were 38 notifications and 18 deaths.

Acute Encephalitis Lethargica and Acute Polio-encephalitis. — The notifications of encephalitis lethargica were 32 from 21 sanitary districts, and the deaths numbered 13, two of which were of cases not notified. The seasonal incidence was—first quarter 5 cases, second quarter 13 cases, third quarter 5 cases, and fourth quarter 9 cases. Twenty-nine cases occurred in urban districts, and three in rural districts.

One case of acute polio-encephalitis was notified.

Ophthalmia Neonatorum. — Under “The Public Health (Ophthalmia Neonatorum) Regulations, 1914,” 457 cases were notified in 1920, against 337 cases in 1919, 232 in 1918, and 246 in 1917.

Influenza.—There was a very marked fall in the number of influenza fatalities as compared with the preceding two years, viz., 558 deaths in 1920, 2,463 deaths in 1919, and 4,492 deaths in 1918. Three-fourths of the 1920 deaths occurred in the first six months.

The County influenza death-rate in 1920 was 0·32 per 1,000, against rates of 1·48 and 2·90 in the two preceding years.

In January, 1920, the Ministry of Health issued an emergency leaflet to all Sanitary Authorities and Port Sanitary Authorities in England and Wales on “Influenza—hints and precautions.”

Pneumonia.—Under the Public Health (Pneumonia, &c.) Regulations, 2,420 cases of acute primary pneumonia and acute influenzal pneumonia were notified, and deaths registered as due to pneumonia, all forms, numbered 1,815. The corresponding totals last year were 2,915 cases, 1,940 deaths.

The County death-rate from pneumonia in 1920 was 1·04, against 1·16 in 1919.

Bronchitis. — The deaths assigned to bronchitis were 2,118, corresponding to a death-rate of 1·22 per 1,000 of the population, as compared with 2,410 deaths and a rate of 1·44 last year.

Malaria, Dysentery, Trench Fever. — The following notifications were received :—

	1920	1919
Malaria	226 cases	770 cases
Dysentery	87 cases	190 cases
Trench Fever	—	3 cases

Organic Heart Disease.—The deaths assigned to this heading totalled 2,141 (equal to a death-rate of 1·23 per 1,000 of the population), or 182 fewer than in the year 1919.

Cancer.—The fatalities from cancer continue to increase, as will be seen from the following table. Comparison is made of the County cancer death-rate with that for England and Wales :—

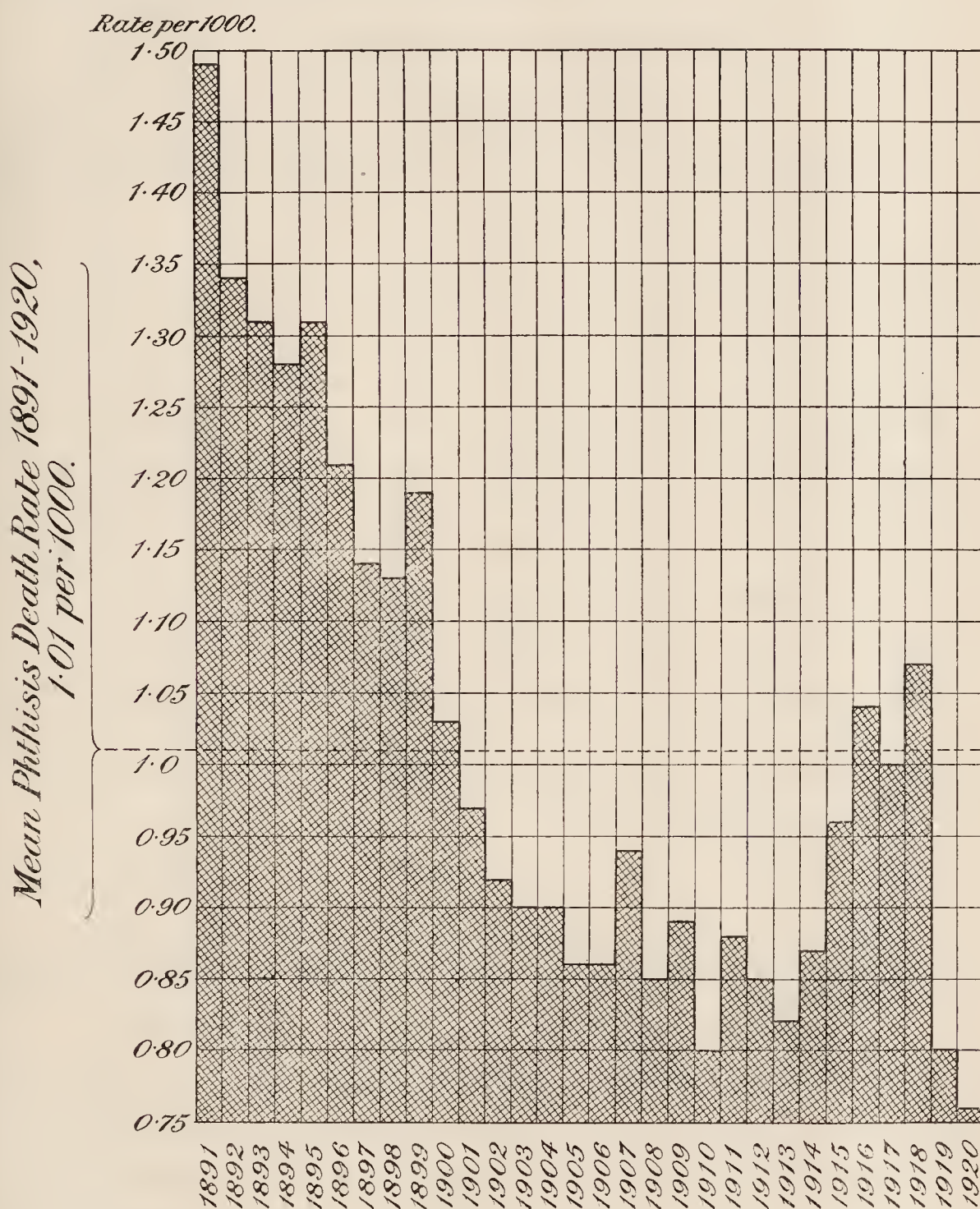
Year.	Administrative County.		England and Wales (crude rates).
	No. of Deaths.	Death-rate per 1,000.	Death-rate per 1,000.
1910	1,333	0.74	0.96
1911	1,493	0.86	0.99
1912	1,466	0.83	1.01
1913	1,618	0.92	1.05
1914	1,668	0.95	1.06
1915	1,577	0.94	1.12
1916	1,728	1.06	1.16
1917	1,713	1.09	1.21
1918	1,727	1.12	1.21
1919	1,793	1.07	1.14
Average 1910-1919	1,611	0.95	1.09
1920	1,880 Males .. 827 Females 1,053	1.08	*1.16

* Calculated from Quarterly Returns of Registrar-General.

Tuberculosis.—PULMONARY TUBERCULOSIS.—The deaths registered as due to pulmonary tuberculosis in the year 1920 numbered 1,323—males 729, females 594—or 16 fewer than in 1919. The proportion of these deaths to total deaths from all causes was 6.0 per cent., against 5.7 per cent. in 1919, 6.2 per cent. in 1918, and 7.2 per cent. in 1917.

The County phthisis death-rate for the year under report which corresponded to 0.76 per 1,000 of the estimated population—0.77 in urban districts and 0.67 in rural districts—shows an appreciable decline over pre-war figures, and is the lowest ever recorded for the County.

This decline is shown in the following diagram, which contrasts the rate for 1920 with the preceding 29 years and with the mean of the whole period :—



Grouped into ten years' periods, the County phthisis death-rate is as follows :—

1890-1899	...	1.28	per 1,000 of population.
1900-1909	...	0.91	„ „
1910-1919	...	0.90	„ „
1920	...	0.76	„ „

The following table shows the rates of phthisis deaths in the Administrative County and in the urban and rural districts, compared with the whole of England and Wales :—

Year.	Administrative County of Lancaster.					England and Wales.	
	Total No. of phthisis deaths	Phthisis death-rate per 1,000 of population.			Phthisis Mortality per cent. of total deaths (County).	Phthisis death-rate.	Mortality per cent. of total deaths.
		County.	Urban.	Rural.			
1910	1,441	0.80	0.82	0.66	6.3	1.01	7.5
1911	1,528	0.88	0.91	0.66	5.8	1.08	7.4
1912	1,495	0.85	0.88	0.67	6.2	1.03	7.8
1913	1,441	0.82	0.84	0.71	5.7	1.00	7.3
1914	1,523	0.87	0.89	0.69	6.2	1.04	7.5
1915	1,614	0.96	1.01	0.70	6.3	1.16	7.4
1916	1,685	1.04	1.07	0.81	7.2	1.17	8.2
1917	1,584	1.00	1.03	0.84	7.2	1.25	8.7
1918	1,652	1.07	1.10	0.88	6.2	1.34	7.6
1919	1,339	0.80	0.81	0.75	5.7	0.99	7.3
10 years' average	1,530	0.90	0.93	0.73	6.2	1.10	7.6
1920	1,323	0.76	0.77	0.67	6.0	*0.88	*7.2

In 1911, Acute Miliary Tuberculosis was added to "phthisis" in the International Code.

*Calculated from Quarterly Returns of Registrar-General.

The highest district phthisis death-rates in 1920 were recorded in Dalton-in-Furness 1.63, Formby 1.56, Litherland 1.37, Widnes (B.) 1.35, Barton-upon-Irwell (R.) 1.32, Whiston (R.) 1.31, Ormskirk 1.30, Whitworth 1.28, and Brierfield 1.25.

Extending over a period of ten years, the highest district rates were :—Ormskirk 1.39, Kirkham 1.35, Ashton-under-Lyne (B.) 1.34, Whitworth 1.30, Lancaster (B.) 1.28, Wardle 1.26, Failsworth 1.24, Droylsden and Hurst each 1.22, Heywood (B.) 1.21, and Leigh (B.) and Dalton-in-Furness each 1.20.

The phthisis death-rate for each urban and rural district is shown on Table B, inserted opposite page xviii., and the 1920 district rate is compared with the year 1919 and the ten years' average on pages 1 to 42.

The following table shows the male and female deaths from pulmonary tuberculosis at various age periods during the last five years :—

	At all Ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upw'ds.
Males—									
1916 ...	900 ...	2 ...	6 ...	11 ...	28 ...	133 ...	392 ...	300 ...	28
1917 ...	827 ...	5 ...	7 ...	6 ...	21 ...	125 ...	380 ...	252 ...	31
1918 ...	844 ...	2 ...	7 ...	8 ...	31 ...	136 ...	370 ...	253 ...	37
1919 ...	675 ...	4 ...	4 ...	8 ...	20 ...	98 ...	286 ...	225 ...	30
1920 ...	729 ...	6 ...	2 ...	5 ...	21 ...	116 ...	292 ...	257 ...	30
Females—									
1916 ...	785 ...	3 ...	9 ...	11 ...	68 ...	180 ...	370 ...	129 ...	15
1917 ...	757 ...	4 ...	4 ...	11 ...	63 ...	196 ...	333 ...	133 ...	13
1918 ...	808 ...	2 ...	1 ...	4 ...	55 ...	215 ...	373 ...	139 ...	19
1919 ...	664 ...	2 ...	4 ...	8 ...	45 ...	167 ...	293 ...	118 ...	27
1920 ...	594 ...	2 ...	7 ...	5 ...	28 ...	166 ...	257 ...	114 ...	15

The table below gives the total deaths from phthisis in the County during 1911-1920, distinguishing the male and female deaths, and showing the increase in the war period over the number of deaths occurring in the year 1913 :—

Year.	Deaths from phthisis.			Increase or decrease on 1913 totals.		
	Males.	Females.	Total.	Males.	Females.	Both Sexes.
1911	875	758	1633	...	...	...
1912	897	702	1599	...	...	...
1913	813	694	1507	...	...	...
1914	862	730	1592	+49	+36	+85
1915	896	795	1691	+83	+101	+184
1916	900	785	1685	+87	+91	+178
1917	827	757	1584	+14	+63	+77
1918	844	808	1652	+31	+114	+145
1919	675	664	1339	—138	—30	—168
1920	729	594	1323	—84	—100	—184

Totals for years 1911-1915, taken from Registrar-General's Reports, differ slightly from totals in County Health Reports.

OTHER FORMS OF TUBERCULOSIS.—Deaths allocated to this heading numbered 396, viz., tuberculous meningitis 138, and “other tuberculous diseases” 258, making, with the 1,323 phthisis deaths, the aggregate fatalities assigned to tuberculous affections 1,719, as compared with 1,697 deaths last year and 2,087 deaths in 1918.

The combined tuberculosis death-rate for the County was 0·99 per 1,000 in 1920, 1·02 in 1919, 1·35 in 1918, and 1·30 in 1917.

The table below shows the deaths in 1920 from tuberculous diseases in specified age groups, compared with the years 1919, 1918, and 1917 :—

Cause of Death.	All ages.	Under 1 year.	1 and under 2 years.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and upwards
Phthisis (Pulmonary Tuberculosis)	1323	8	9	10	49	282	549	371	45
Tuberculous Meningitis	138	28	22	31	41	7	6	3	..
Other Tuberculous Diseases..	258	18	17	22	49	44	53	44	11
Total 1920..	1719	54	48	63	139	333	608	418	56
Year 1919 ..	1697	34	36	82	152	323	629	374	67
Year 1918 ..	2087	40	55	80	188	419	816	427	62
Year 1917 ..	2050	54	54	96	193	384	783	432	54

THE PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.—Tables E and F, here inserted, analyse, both as regards parts of the body affected and in age periods, the notifications received under the above Regulations during the 52 weeks ended 1st January, 1921.

Pulmonary tuberculosis contributed 2,084 cases (21 less than in the previous year*), and other forms of tuberculosis 968 cases (121 more than in 1919).

* In 1919 the totals include a 53 weeks period.

(Extracted from Weekly Returns of District Medical Officers of Health.)

NOTIFICATIONS ON FORMS A AND B—Excluding Duplicates.																																			Total Notifi- cations (<i>i.e.</i> , including cases previously notified by other Doctors.)									
PULMONARY.				NON-PULMONARY.																														Total Pul- monary and Non- Pul- monary.										
Lungs only.	Lungs and Larynx.	Laryngitis.	TOTAL.	ALIMENTARY.		GLANDS.					GENITO-URINARY.					JOINTS AND BONES.																												
				Enteritis (Primary).	Peritonitis (Abdominal Tuberculosis).	Tubes (Mesenteric Glands).	Axillary.	Cervical.	Inguinal.	Mediastinal.	Not Classified (Two or more Groups).	Bladder.	Fall. Tube.	Kidney.	Prostate.	Suprarenal.	Testicle and Epididymis.	Not Classified (Two or more).	Head (including Middle Ear).	Ribs and Sternum.	Spine.	Shoulder.	Scapula.	Humerus.	Elbow.	Radius.	Ulna.	Hand and Wrist.	Hip and Pelvis.	Femur.	Knee.	Tibia.	Fibula.			Foot and Ankle.	Two or more different joints.	Not Classified.	MENINGITIS (Brain).	MILIARY (Generalised).	SKIN (Lupus).	MISCELLANEOUS.	TOTAL.	
Thirteen weeks ended 3rd April, 1920	587	6	5	598	7	26	5	7	90	3	2	..	3	5	6	12	1	3	..	1	7	21	..	8	8	1	..	20	1	15	6	258	856	935
Thirteen weeks ended 3rd July, 1920.. ..	550	3	3	556	6	28	9	2	117	2	1	3	1	2	5	11	2	3	1	1	6	16	3	8	2	..	7	..	3	24	5	33	6	307	863	924
Thirteen weeks ended 2nd October, 1920 ..	445	4	2	451	1	27	6	..	59	1	..	1	1	2	1	11	2	13	3	7	3	17	4	20	3	182	633	684	
Thirteen weeks ended 1st January, 1921 ..	476	..	3	479	3	25	7	1	64	..	3	2	2	..	1	2	..	4	19	2	3	23	..	8	1	2	1	22	..	22	4	221	700	747
Total	2058	13	13	2084	17	106	27	10	330	3	4	9	5	..	5	9	2	..	16	53	3	8	1	2	18	73	6	31	2	..	19	3	4	83	10	90	19	968	3052	3290

		NOTIFICATIONS ON FORMS A AND B—Excluding Duplicates.																								NOTIFICATIONS. FORM B ONLY. (By School Medical Inspectors.)								Number of Cases Notified on Form C. (Admissions.)		Number of Cases notified on Form D (Dis- charges from Institu- tions).				
		PULMONARY.														NON-PULMONARY.										Total Pul- monary and Non- Pul- monary.	PRIMARY NOTIFICATIONS. (i.e., excluding duplicates.)				Total Notifica- tions (i.e., including cases previously notified by other Doctors.)									
		Years. {	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and up- wds	TOTAL.	TOTAL M. & F.	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.		65 and up- wds	TOTAL.	TOTAL M. and F.	Under 5 years.		5 to 10.	10 to 15.	TOTAL.						
																																			P.		N.P.	P.	N.P.	P.
Thirteen weeks ended 3rd April, 1920	{ M. F.	2 ..	5 6	20 14	23 22	25 33	24 40	88 63	76 50	47 22	20 8	4 6	334 264	} 598	9 ..	14 21	30 21	29 21	22 14	9 12	11 17	7 7	3 4	2 3	2 ..	138 120	} 258	856	.. ..	.. 1	.. ..	1 1	1 1	2 3	} 6	6	9	148	130	
Thirteen weeks ended 3rd July, 1920	{ M. F.	.. 1	8 3	14 17	16 17	26 31	25 31	75 69	77 84	39 26	25 12	3 4	311 245	} 556	7 4	28 12	35 27	37 23	24 20	6 11	12 15	10 11	7 6	6 5	.. 1	172 135	} 307	863	1 2	4 6	.. 1	2 3	5 8	} 16	17	6	151	156
Thirteen weeks ended 2nd October, 1920	{ M. F.	.. ..	5 4	9 10	11 16	23 24	34 29	49 69	38 36	34 18	21 11	5 5	229 222	} 451	5 4	5 14	20 11	20 16	13 18	10 9	4 11	3 9	2 4	1 2	1 ..	84 98	} 182	633	.. ..	.. 1	.. ..	3 1	1 1	1 3	} 8	9	4	159	156	
Thirteen weeks ended 1st January, 1921	{ M. F.	.. 1	6 7	13 12	13 16	20 27	34 22	69 63	58 27	40 18	24 5	2 2	279 200	} 479	10 4	15 19	22 27	22 18	9 10	1 14	8 9	3 7	4 9	2 6	2 ..	98 123	} 221	700	1 1	1 2	.. 4	.. 5	2 2	} 9	10	2	131	164
Total ..	{ M. F.	2 2	24 20	56 53	68 71	94 115	120 122	281 264	249 147	160 84	90 36	14 17	1153 931	} 2084	31 12	62 66	107 86	108 78	68 62	26 46	35 52	23 34	16 23	11 16	5 1	492 476	} 968	3052	2 2	.. 3	9 10	1 7	1 4	12 16	} 39	42	21	589	606

TABLE F.

ADMINISTRATIVE COUNTY OF LANCASTER.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

ANALYSIS OF THE NOTIFICATIONS ON FORMS A AND B (EXCLUDING DUPLICATES) RECEIVED DURING THE FIFTY-TWO WEEKS
ENDED 1ST JANUARY, 1921.

(Extracted from Weekly Returns of District Medical Officers of Health.)

AGE—YEARS :—		..	0 — 1			1 — 5			5 — 10			10 — 15			15 — 20			20 — 25			25 — 35			35 — 45			45 — 55			55 — 65			65 & upwds.			TOTALS.			
SEX.		Col.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	M.	F.	Both Sexes.	Col.
PULMONARY—																																							
	Lungs only ..	1	2	2	4	24	20	44	55	53	108	63	71	134	94	113	207	120	119	239	275	261	536	246	145	391	156	83	239	90	35	125	14	17	31	1139	919	2058	1
	Lungs and Larynx ..	2	1	1	..	2	2	3	2	5	1	..	1	3	..	1	1	7	6	13	2
	Laryngitis ..	3	1	..	1	1	1	..	1	1	3	1	4	2	2	4	1	1	2	7	6	13	3
PULMONARY TOTAL ..		4	2	2	4	24	20	44	56	53	109	63	71	134	94	115	209	120	122	242	281	264	545	249	147	396	160	84	244	90	36	126	14	17	31	1153	931	2084	4
Cases—Pulmonary and Non-Pulmonary combined	1	1	6	4	10	4	2	6	5	1	6	2	3	5	1	1	2	4	4	8	1	2	3	1	2	3	1	1	2	25	21	46	
NON-PULMONARY—																																							
ALIMEN- TARY	{ Enteritis (Primary) ..	5	2	..	2	3	1	4	1	..	1	2	1	3	..	1	1	..	1	1	1	1	2	3	..	3	12	5	17	5	
	{ Peritonitis (Abdominal Tuberculosis)	6	5	1	6	14	14	28	12	12	24	14	6	20	3	3	6	3	4	7	4	4	8	1	..	1	1	2	3	..	3	3	57	49	106	6	
GLANDS	{ Tabes ..	7	2	1	3	8	7	15	2	1	3	2	1	3	1	1	2	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	16	11	27	7
	{ (Mesenteric Glands)																																						
	{ Axillary ..	8	3	..	3	..	1	1	2	2	4	2	2	6	10	..	1	1	5	5	10	8
	{ Cervical ..	9	4	..	4	10	15	25	51	42	93	48	34	82	31	26	57	5	22	27	6	19	25	4	6	10	1	3	4	1	1	2	1	..	1	162	168	330	9
	{ Inguinal ..	10	..	..	..	..	..	..	..	..	1	1	..	2	3	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	3	..	3	10
	{ Mediastinal ..	11	..	..	..	..	..	..	..	1	1	1	2	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	4	11
GENITO- URINARY	{ Not Classified ..	12	1	..	1	1	..	1	..	..	..	3	1	4	..	..	..	..	..	..	..	..	..	1	..	1	..	1	1	1	..	1	..	7	2	9	12
	{ (Two or more Groups)																																						
	{ Bladder ..	13	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	..	..	..	2	..	2	..	1	1	..	..	..	..	..	..	3	2	5	13	
	{ Fallopian Tube ..	14	1	1	2	..	2	..	1	1	2	3	14	
	{ Kidney ..	15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	..	2	..	1	1	2	..	..	..	..	..	..	3	2	5	15
	{ Prostate ..	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16
JOINTS AND BONES	{ Suprarenal ..	17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17
	{ Testicle and Epididymis ..	18	1	..	1	2	..	2	3	..	3	1	..	1	1	..	1	1	..	1	9	..	9	18	
	{ Not Classified ..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	1	..	1	..	..	..	2	..	2	19	
	{ (Two or more)																																						
	{ Head ..	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20
	{ (Including Middle Ear)																																						
JOINTS AND BONES	{ Trunk—																																						
	{ Ribs and Sternum ..	21	..	..	..	..	..	..	1	1	2	1	3	..	4	4	1	2	3	..	3	3	1	..	1	..	..	1	..	..	1	..	..	5	11	16	21
	{ Spine ..	22	4	1	5	4	5	9	3	3	6	4	3	7	2	3	5	7	3	10	3	3	6	1	3	4	..	1	1	28	25	53	22	
	{ Arm—																																						
	{ Shoulder ..	23	..	..	..	1	..	1	..	1	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	3	23	
	{ Scapula ..	24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24	
JOINTS AND BONES	{ Humerus ..	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	25	
	{ Elbow ..	26	..	..	..	1	..	1	..	..	..	2	..	2	..	1	1	1	..	1	1	..	1	1	..	2	2	..	..	..	..	..	4	4	8	26	
	{ Radius ..	27	..	..	..	..	..	..	1	..	1	..	..	..																						

These totals *exclude* 238 duplicate notifications, 610 notifications on Form C (admissions to institutions), and 606 on Form D (discharges from institutions).

Since February 1st, 1913, tuberculosis, both “pulmonary” and “other forms,” has been compulsorily notifiable; previous to that date it was incompletely notifiable.

The table below differentiates the male and female cases at certain specified age groups:—

Years.	{	0 to 1.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 35.	35 to 45.	45 to 55.	55 to 65.	65 and up.	Total.	Total, M. & F.
<i>Pulmonary tuberculosis—</i>														
1913..	M. {	1	24	97	70	129	131	311	292	228	114	29	1426	} 2700
(11 m'nths)	F. {	6	28	100	104	158	188	296	201	103	65	25	1274	
1914..	M. {	6	40	80	83	112	172	329	315	240	107	23	1507	} 2820
	F. {	3	32	115	107	140	181	336	225	107	47	20	1313	
1915..	M. {	5	47	97	79	127	138	305	303	235	117	34	1487	} 2872
	F. {	5	27	96	111	152	191	383	239	100	60	21	1335	
1916..	M. {	1	31	71	77	121	157	331	296	190	96	36	1407	} 2689
	F. {	2	24	81	96	165	186	345	220	98	52	13	1282	
1917..	M. {	4	20	77	62	113	104	262	268	190	90	30	1220	} 2375
	F. {	2	22	90	100	129	155	296	185	107	50	19	1155	
1918..	M. {	3	35	55	59	140	108	300	317	232	98	28	1375	} 2534
	F. {	1	24	69	74	139	166	297	207	117	52	13	1159	
1919..	M. {	2	22	53	55	94	107	238	212	165	91	17	1056	} 2105
	F. {	5	14	54	80	126	161	261	184	99	41	24	1049	
1920..	M. {	2	24	56	63	94	120	281	249	160	90	14	1153	} 2084
	F. {	2	20	53	71	115	122	264	147	84	36	17	931	
<i>Non-pulmonary tuberculosis—</i>														
1913..	M. {	29	128	177	137	98	58	71	48	27	18	3	794	} 1592
(11 m'nths)	F. {	28	118	134	132	118	86	80	47	29	19	7	798	
1914..	M. {	43	111	131	95	77	36	47	23	20	14	3	600	} 1140
	F. {	37	88	98	89	77	44	58	27	12	6	4	540	
1915..	M. {	39	109	113	93	61	46	50	29	14	5	3	562	} 1128
	F. {	26	88	107	88	84	53	61	33	15	7	4	566	
1916..	M. {	20	127	135	99	65	42	47	34	12	13	5	599	} 1180
	F. {	8	68	122	114	85	46	65	41	19	11	2	581	
1917..	M. {	21	116	109	105	61	23	42	30	8	9	1	525	} 1062
	F. {	7	79	97	98	89	59	49	25	23	6	5	537	
1918..	M. {	14	75	103	65	60	19	29	16	14	7	2	404	} 885
	F. {	10	75	84	92	80	46	46	29	9	6	4	481	
1919..	M. {	13	50	97	80	53	26	31	22	19	12	4	407	} 847
	F. {	10	59	98	76	61	43	41	29	11	7	5	440	
1920..	M. {	31	62	107	108	68	26	35	23	16	11	5	492	} 968
	F. {	12	66	86	78	62	46	52	34	23	16	1	476	

For reference, and for the information of the County Tuberculosis Department, a card index of every case notified is kept up to date in the County Public Health Department, and copies of all notifications received are forwarded to the Consultant Tuberculosis Officers.

The Public Health (Venereal Diseases) Regulations, 1916.
—These Regulations placed upon County Councils, &c., the duty of making arrangements for the diagnosis and treatment of venereal diseases within their areas.

The scheme in operation in this County provides facilities for—

(1) enabling any medical practitioner practising in the area of the County Council to obtain, at the cost of the County Council, a scientific report on any material which the medical practitioner may submit from a patient suspected to be suffering from venereal disease.

(2) the treatment at and in hospitals or other institutions of persons suffering from venereal disease, and

(3) supplying medical practitioners with salvarsan, or its approved substitutes, for the treatment and prevention of venereal diseases.

The facilities mentioned, both for diagnosis and treatment, are available to registered medical practitioners without charge to them or to their patients.

(1) PROVISION OF LABORATORY FACILITIES FOR DIAGNOSIS AND GUIDANCE IN TREATMENT.

Arrangements have been made by which any medical practitioner practising in the area of the County Council will be supplied gratuitously with the necessary outfit for collecting material for examination from persons suspected to be suffering from venereal disease, and a scientific report upon the material submitted will be furnished.

The Laboratories available for such examinations are :—

LIVERPOOL ... The University of Liverpool, City Laboratories and School of Hygiene, Mount Pleasant (Prof. Beattie).

MANCHESTER ... The University of Manchester, Pathological Department, Oxford Road (Prof. Dean).

BURNLEY ... The Borough Health Department Laboratory (Dr. R. J. M. Horne).

Nature of Examination.

(a) Microscopic examination of discharges for detection of gonococci, confirmed in exceptional cases by cultural methods.

(b) Microscopic examination of discharge from sores, mucous patches, condylomata, &c., for the detection of spirochetes or of other organisms.

*(c) Wassermann tests on the blood serum of patients—

(i.) for the diagnosis of syphilis.

(ii.) as a control of the effect of treatment.

(d) Examination of foetal tissues for the presence of spirochetes.

(e) More rarely Wassermann tests and microscopic examination of the cerebro-spinal fluid of patients.

(f) Other tests directly concerned with the diagnosis or treatment of venereal diseases.

Outfits for forwarding specimens to the laboratories are supplied gratuitously on application to the Public Health Department, County Offices, Preston.

* Specimens of blood for Wassermann tests should be forwarded as early in the week as possible, to arrive at the Laboratory *not later* than first post on Friday morning, in order that the specimens will not have to be kept over the week-end before the examination is completed.

(2) TREATMENT CENTRES OR CLINICS.

Arrangements for Treatment.

The County Council has made arrangements with the undermentioned Institutions for the treatment of patients residing in the County Council's area (revised August, 1921):—

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Ashton-under-Lyne District Infirmary, Darnton Road	Wednesday, 3—4 p.m. Thursday, 6-30—8 p.m.	Monday, 6-30—8 p.m. Wednesday, 3—4 p.m.
Barrow-in-Furness, North Lonsdale Hospital, School Street	Wednesday, 10 a.m. Thursday, 8 p.m. Saturday, 10 a.m. <i>Irrigation :—</i> Daily, 10 a.m., 12 noon, and 6—7 p.m.	Wednesday, 8 p.m. Friday, 10 a.m. Daily, 10 a.m.
Blackburn and East Lancashire Royal Infirmary	Monday, 5—7 p.m. Wednesday, 3-30 p.m. <i>N.B.—</i> Apprehensive cases present themselves at the Clinics.	Tuesday, 4 p.m. Friday, 5—7 p.m.
Blackpool Victoria Hospital, Whitegate Drive	Monday, Wednesday, Thursday, and Saturday, 11 a.m.—12-30 p.m.	Tuesday and Friday, 11 a.m.—12-30 p.m.
Bolton Public Health Department Clinic, Howell Croft North	Monday, 7 p.m. Tuesday, 7 p.m. Wednesday, 11 a.m. and 7 p.m.	Thursday, 7 p.m. Saturday, 10 a.m.
Bootle Borough Hospital, Derby Road	Monday, 5-30 p.m. Thursday, 12 noon Friday, 5-30 p.m.	Monday, 12 noon Friday, 5 p.m.
Burnley Victoria Hospital	Monday, 10—11 a.m., 5-30—7 p.m.	Friday, 11 a.m.—12 noon; 6—7 p.m.
Bury Dispensary, The Wylde	Friday, 6-30—8-30 p.m.	Tuesday, 6-30—8-30 p.m.

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Liverpool Royal Infirmary, Pembroke Place	<p>New Patients :—</p> <p>Monday, 12 noon Wednesday, 5 p.m. Friday, 12 noon</p> <p>Continuation Treatment :—</p> <p>Daily, 5—6 p.m. (except Saturday, Sunday and Monday)</p>	<p>New Patients :—</p> <p>Thursday, 12 noon</p> <p>Daily, 2—4 p.m. (except Saturday, Sunday and Monday)</p>
Liverpool David Lewis Northern Hospital (entrance in Leeds Street)	<p>New Patients :—</p> <p>Monday and Friday, 5—6 p.m.</p> <p>Continuation Treatment :—</p> <p>Tuesday, Wednesday, Thursday, and Saturday, 6—8 p.m.</p>	<p>New Patients :—</p> <p>Wednesday, 5—6 p.m.</p>
Liverpool Royal Southern Hospital, Caryl Street	<p>New Patients :—</p> <p>Tuesday, 5 p.m. Friday, 1-30 p.m. Saturday, 1 p.m.</p> <p>Continuation Treatment :—</p> <p>Daily, 5 p.m. (except Sunday) Saturday, 1 p.m.</p>	<p>New Patients :—</p> <p>Thursday, 5 p.m.</p> <p>Daily, 5 p.m. (except Sunday) Saturday, 1 p.m.</p>
Liverpool Stanley Hospital, Stanley Road, Kirkdale	<p>New Patients :—</p> <p>Monday and Thursday, 5—6 p.m.</p> <p>Continuation Treatment :—</p> <p>Daily, 6—7 p.m. (except Tuesday, Saturday, and Sunday)</p>	<p>New Patients :—</p> <p>Tuesday, 5—6 p.m. Saturday, 12 noon</p> <p>Daily, 11 a.m. (except Sunday)</p>
Liverpool Cancer and Skin Hospital, Myrtle Street	<p>New Patients :—</p> <p>Daily, 1—2 p.m.</p> <p>Continuation Treatment :—</p> <p>Daily, 9—10 a.m., 1—2 p.m., and 6—7 p.m. Sundays, 11 a.m.—12 noon</p>	<p>Thursday, 5-30—6 p.m.</p>

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Manchester Royal Infirmary, Oxford Road	<p>Diseases of Skin :—</p> <p>Wednesday, 6—8 p.m. | Thursday, 11 a.m. to 1 p.m.</p> <p>Diseases of Genito-Urinary Organs :—</p> <p>Thursday, 6—8 p.m. | Wednesday, 11 a.m.—1 p.m.</p> <p>Diseases of Skin and Genito-Urinary Organs :—</p> <p>Friday, 4-15—6-15 p.m. | Thursday, 9—11 a.m.</p>	
Manchester and Salford, St. Luke's Hospital, Duke Street, Liverpool Road	<p>Monday, 5—7 p.m.</p> <p>Tuesday, 5—7 p.m.</p> <p>Thursday, 5—7 p.m.</p> <p>Friday, 5—7 p.m.</p> <p>Wednesday, 5—7 p.m.</p>	
Manchester and Salford Hos- pital for Skin Diseases, Quay Street, Deansgate (Syphilis only treated at this Hospital)	<p>Daily (Sunday excepted)</p> <p>9—10 a.m. | 9—11 a.m.</p> <p>Children, 9—11 a.m.</p>	
Manchester, St. Mary's Hospitals (Whitworth Street West Branch), Oxford Street	<p>Daily (Saturday & Sunday excepted)</p> <p>9—10-30 a.m.</p> <p>Wednesday, 5—7 p.m.</p>	
Manchester, Ancoats Hospi- tal, Mill St., Ancoats	<p>Wednesday, 5-30— 7 p.m.</p> <p>Saturday, 5—7 p.m.</p>	<p>Wednesday, 11-30 a.m.—1 p.m.</p>
Oldham Royal Infirmary, Union Street West	<p>New Patients :—</p> <p>Tuesday, 8-30 p.m. | Tuesday, Wednes- day, Thursday, and Friday, 3 p.m.</p>	
	<p>Continuation Treatment :—</p> <p>Tuesday, 8-30 p.m. | Tuesday and Wednesday and Friday, 2-30 p.m. | Thursday, 2-30 p.m.</p>	
Preston Royal Infirmary, Deepdale Road	<p>Wednesday, 4-30— 7 p.m.</p> <p>Friday, 4-30—7 p.m.</p>	<p>Tuesday, 4-30—7 p.m.</p>

Treatment Centre.	Days and Hours of Out-Patient Clinic.	
	MALES.	FEMALES.
Rochdale Infirmary, Red-cross Street	Friday, 4-30 p.m.	Tuesday, 4-30 p.m.
Salford Royal Hospital, Chapel Street. Out-patient Clinic—1, Adelphi Place, back of Hospital	Skin Department :—	
	Monday, 12 noon	Monday, 12 noon
	Thursday, 6 p.m.	Wednesday, 6 p.m.
	Genito-Urinary Department :—	
	Tuesday, 12 noon	Tuesday, 12 noon
	Friday, 6 p.m.	Friday, 6 p.m.
Southport Infirmary, Scarisbrick New Road	Daily (except Sunday), 8-30 a.m. Monday to Friday, 6 p.m. Saturday, 2-30 p.m.	Daily (except Saturday and Sunday), 2 p.m.
St. Helens Corporation Hospital. Out-patient Clinic—18, Claughton Street	Monday, 6—7 p.m.	Wednesday, 7—8 p.m. (also for Children)
	Disinfection and Irrigation :— Daily, 9-30 a.m. to 5-30 p.m.	
Warrington Infirmary and Dispensary, Kendrick St. Out-patient Clinic—Beaumont Street entrance	Tuesday, 3-30 p.m. Saturday, 5 p.m.	Tuesday, 5 p.m. Saturday, 3-30 p.m.
Wigan Royal Albert Edward Infirmary, Wigan Lane	Tuesday, 4 p.m. Friday, 10 a.m.	Tuesday, 5 p.m. Friday, 10 a.m.

Each Institution is available for the *free* treatment of all comers, without distinction as to means, or as to place of residence.

Every patient attending for diagnosis or treatment can be assured that, although his home address will be needed confidentially for reference, it will never be communicated to others. It is necessary for the Medical Officer of the Institution to have the home address, in order to arrange subsequent appointments.

Patients attending for the treatment of venereal diseases will not be distinguished in any way from patients attending for treatment of other diseases. A nurse will always assist at the clinic for women.

Patients requiring institutional treatment, *e.g.*, injections of salvarsan or its approved substitutes, &c., will, if necessary, be admitted as in-patients.

A medical practitioner will, by appointment, be able to consult with the Medical Officer of a particular clinic respecting any case of suspected venereal disease under his care.

The Medical Officer of the clinic will, in cases where such action is desired, furnish the patient's own medical adviser with a report on the patient's treatment at the clinic, with suggestions as to continued treatment.

Further facilities for medical practitioners will be offered, when circumstances permit, such as—

- (a) demonstrations and post-graduate courses at the Treatment Centres,
- (b) consultations with the Pathologist or the Medical Officer of the Treatment Centre, and
- (c) assistance in the taking of difficult specimens.

(3) SUPPLY OF SALVARSAN OR ITS APPROVED SUBSTITUTES.

The County Council supplies to medical practitioners, approved under the Regulations for such purpose, salvarsan or its approved substitutes free of cost.

The following drugs have been approved (August, 1921) :—

Kharsivan	Neokharsivan
Arsenobillon	Salvarsan
Novarsenobillon	Neodiarsenol
Diarsenol	Arsenobenzol
Galyl	Novarsenobenzol

A medical practitioner desirous of having his name placed on the County list for the gratuitous supply of salvarsan or its approved substitutes may apply to the County Medical Officer of Health for a form on which to give the necessary particulars of his training or experience in the administration of these drugs.

PRINTED FORMS OF INSTRUCTIONS TO MEDICAL PRACTITIONERS, PATIENTS, AND THE PUBLIC GENERALLY.

A supply of the undermentioned forms and leaflets is available, and copies will be sent on application to the County Public Health Department, County Offices, Preston :—

- (a) Application by medical practitioner for pathological outfit (Form V. 1).
- (b) Application by medical practitioner for supply of approved substitutes for salvarsan (Form V. 2).
- (c) Warning to patient as to care after administration of salvarsan substitute (Form V. 3).
- (d) Particulars to be supplied by the medical practitioner with each specimen sent to the laboratory (Form V. 4).
- (e) Report of pathologist respecting specimen sent by medical practitioner (Form V. 5).
- (f) Instructions to patients suffering from syphilis (Form V. 6).
- (g) Instructions to patients suffering from gonorrhœa (Form V. 7).
- (h) Information to the public on the dangers of venereal diseases and on the facilities for treatment (Form V. 8).
- (i) Leaflet to seamen (Forms V. 14 and 15).

Any further information relative to the scheme can also be had on application to the County Medical Officer of Health.

TREATMENT CENTRES.

Work carried out during the year ended 31st December, 1920.

The information obtained from the Institutions with which the County Council has arrangements regarding persons residing in the County area attending for treatment during the year ended 31st December, 1920, is tabulated on the following page :—

Institution	Number of County Residents attending for the first time and found to be suffering from :—				Total Number of Attendances of County Residents at Out-patient Clinic.	Aggregate Number of In-patient days.	Number of Doses of Salvarsan substitutes.
	Syphilis.	Soft Chancre	Gonorrhoea	Conditions other than Venereal.			
Ashton-under-Lyne District Infirmary ..	125	..	36	20	1971	23	1164
Barrow-in-Furness North Lonsdale Hospital ..	21	1	6	3	358	24	214
Blackburn and East Lancashire Royal Infirmary	175	29	59	55	3144	237	1206
Blackpool Victoria Hospital	30	2	37	20	1185	68	116
Bolton Public Health Department Clinic ..	134	3	121	62	3434	..	1250
Bootle Borough Hospital	56	2	39	4	1012	70	296
Burnley Victoria Hospital	103	13	49	43	2200	126	1005
Bury Tuberculosis Dispensary Clinic ..	89	1	28	3	891	..	427
Liverpool Royal Infirmary	44	..	38	15	1631	41	374
Liverpool David Lewis Northern Hospital ..	42	2	7	2	139	..	16
Liverpool Royal Southern Hospital ..	5	1	7	1	95	38	16
Liverpool Stanley Hospital	13	4	17	8	365	62	158
Liverpool Skin and Cancer Hospital ..	25	..	4	6	257	39	103
Liverpool Ancoats Hospital	66	..	38	25	1085	89	266
Manchester Royal Infirmary	41	..	23	10	1303	29	281
Manchester and Salford St. Luke's Hospital..	36	14	61	27	777	938	245
Manchester and Salford Hospital for Skin Diseases	125	..	16	19	3355	76	543
Manchester St. Mary's Hospitals	14	..	7	16	340	..	112
Oldham Royal Infirmary	60	3	35	14	853	170	341
Preston Royal Infirmary	56	..	18	40	981	..	438
Rochdale Infirmary	55	7	37	..	959	28	506
Salford Royal Hospital	56	..	70	76	2788	187	243
St. Helens Corporation Hospital	4	1	3	2	76	..	37
Southport Royal Infirmary	4	..	3	1	76	..	14
Warrington Infirmary	9	..	7	8	405	..	119
Wigan Royal Albert Edward Infirmary ..	69	2	35	15	1249	184	516
Other Institutions treating County residents.	6	..	1	1	127	61	46
Total, 1920	1433	85	802	496	31096	2490	10052
Total, 1919	1510	94	729	408	22732	2838	8798

From the information submitted by the Institutions on their Annual Returns, it appears that the percentage of persons who ceased to attend the out-patient clinic before completing a course of treatment is approximately 29 per cent.

PATHOLOGICAL EXAMINATIONS.

Outfits to the number of 1,425 have been supplied by the County Public Health Department to medical practitioners for the purpose of sending specimens for pathological examination :—

	No. of outfits issued to medical practitioners.			
	Wassermann test.	Detection of <i>Spirochæta pallida</i> .	Detection of Gonococci.	Total.
Year ended 31st December, 1920.	602	18	39	659
Total from commencement of County Scheme to 31st Dec., 1920	1202	71	152	1425

SUPPLY OF SALVARSAN OR ITS SUBSTITUTES.

The following statement shows the number of doses of salvarsan or its approved substitutes supplied to medical practitioners :—

		Salvarsan or its approved Substitutes supplied to medical practitioners.								
	No. of medical practitioners "approved" for supply of Salvarsan Substitutes.	Kharsivan.	Arsenobillon.	Novarsenobillon.	Diarsenol.	Galyl.	Neokharsivan.	Salvarsan.	Neodiarsenol.	TOTAL.
Year ended 31st Dec., 1920	31	34	—	634	—	266	4	6	—	944
Total from commencement of County Scheme to Dec. 31st, 1920	96	86	10	1323	—	585	48	30	12	2094

PROPAGANDA WORK.—A very considerable amount of educational work has been carried out during the year under report through the Central Office and by the two organising lecturers appointed by the County Public Health Committee.

Propaganda work has been initiated in 115 of the 122 districts within the Administrative County area. Local Committees have been established in many districts, employers of labour have given facilities for the lecturers to address the workpeople during working hours, proprietors of cinema establishments have consented to short addresses being given at the showing of propaganda films, and many special lectures, including a number to school teachers, have taken place.

The following table shows the approximate attendances at lectures and workshop meetings:—

TABLE (G) showing HOSPITAL ACCOMMODATION and DISINFECTING APPARATUS provided in or for each of the County Districts; also NUMBER OF CASES OF INFECTIOUS DISEASES NOTIFIED, REMOVED TO HOSPITAL, &c.

(a) (c) (d) Totals supplied by local Medical Officers of Health; (b) by Registrar-General.

District.	Nature of Hospital accommodation.		Infectious Diseases.																				Disinfection.				
	For ordinary infectious diseases.	For Small-pox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																				Apparatus and where situated.	No. of Houses or Rooms dis-infected.			
			Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Polio-myelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia. Acute Influenzal Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.			Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.
Abram	8 beds	Iron building—4 beds*	(a)	..	14	5	39	1	..	..	1	..	..	1	..	..	..	10	3	4	..	..	..	78	Steam—Hospital ..	53
			(b)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	10	2	1	4	..	..	21		
			(c)	..	2	..	32	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	36		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Acerington (B.) ..	Bury Joint Hospital by agreement	24 beds	(a)	..	39	17	66	1	..	..	3	1	..	8	3	..	..	20	47	19	..	..	..	224	Steam—District ..	148
			(b)	..	8	1	2	..	..	..	1	..	..	8	..	..	..	40	28	9	3	3	6	101		
			(c)	..	1	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Adlington	Joint at Heath Charnock, 36 beds	5 beds at Finnington (Blackburn)	(a)	..	11	1	7	..	..	..	..	..	..	..	2	..	..	14	4	1	..	..	..	40	None. (Formalin Sprayer)	22
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	1	1	..	2	1	13		
			(c)	..	10	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chorley (B.)	Joint at Heath Charnock, 36 beds	5 beds at Finnington (Blackburn)	(a)	..	44	17	38	2	..	..	2	..	..	3	..	..	..	47	36	16	..	..	..	205	Steam—Town's Yard	110
			(b)	..	3	1	..	†1	34	22	4	5	13	16			99
			(c)	..	24	2	32	2			60
			(d)	..	1			1
Leyland	Joint at Heath Charnock, 36 beds	5 beds at Finnington (Blackburn)	(a)	..	6	3	31	1	..	..	..	..	..	..	1	..	..	7	7	4	..	..	..	60	No proper appliances	49
			(b)	..	1	10	8	1			21
			(c)	26			26
			(d)
Chorley (R.)	Joint at Heath Charnock, 36 beds	5 beds at Finnington (Blackburn)	(a)	..	13	13	39	3	..	..	2	1	..	1	5	..	..	14	12	14	..	..	..	117	No proper appliances, but can send to Chorley (B.) ..	57
			(b)	..	4	1	..	1	2	15	8	5	4	1	3			44
			(c)	..	6	..	32	1			39
			(d)	..	2			2
Ashton-in-Makerfield	40 beds (Long Lane)	8 beds (Edge Green)*	(a)	..	23	5	101	8	..	..	1	..	1	6	3	..	..	92	25	9	..	..	..	274	Steam—Hospital ..	202
			(b)	..	1	2	2	4	..	..	1	..	..	..	..	..	..	45	13	4	9	1	13	95		
			(c)	..	23	..	87	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	118		
			(d)	..	1	..	2	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7		
Aspull	At Wigan Borough hospitals*		(a)	..	14	13	22	2	..	..	1	..	..	3	..	..	..	68	3	6	..	..	..	132	Steam—Wigan Sanatorium	59
			(b)	..	2	..	..	†3	..	..	..	..	..	..	..	..	..	30	6	4	12	..	5	62		
			(c)	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* Combined under the Wigan and District Joint Hospital Order for the purpose of providing a small-pox hospital. † Inward transfers (at Aspull, 1 of the 3 an inward transfer). ‡ Cases not notified.

NOTE.—Tuberculosis cases removed to Hospital or Sanatoria not shown under (c) and (d). Acute primary pneumonia and acute influenzal pneumonia notifiable; deaths from *all forms* of pneumonia shown under (b).

APPROXIMATE AUDIENCES REACHED BY PROPAGANDA WORK.

	Lectures and Addresses by Organising Lecturers, &c.			Medical Lectures.			Lectures to Teachers.	Lectures to Mothers.	Lantern Lectures.	Film Lectures.	Works Meetings.	
	Men.	Women	Mixed.	Men.	Women	Mixed.					Men.	Women.
ended c., 1920	1914	2605	1840	1350	1470	—	710	2004	6215	3900	8210	5906
from oncement.	2224	3515	10290	4177	5480	500	1100	3279	8105	6200	10370	8536

DISTRIBUTION OF LITERATURE.—At each lecture and works meeting a supply of suitable literature, prepared by the National Council for Combating Venereal Diseases, has been distributed.

Notification of Infectious Diseases.—Table “G,” here inserted, shows the number of cases notified in each urban and rural district in the Administrative County during the year 1920, under the Infectious Disease (Notification) Act, 1889, the Public Health (Tuberculosis) Regulations, and various other Regulations or Orders.

The statement below, compiled from the information supplied by local Medical Officers of Health in their Annual Reports, shows that the notifications in 1920 amounted in the aggregate to 16,545 :—

	1920.	1919.
Small-pox	83 ...	4
Diphtheria and Membranous Croup ...	2,120 ...	1,789
Erysipelas	863 ...	836
Scarlet Fever	4,831 ...	4,080
Enteric Fever	183 ...	152
Continued Fever	3 ...	2
Puerperal Fever	138 ...	78
Cerebro-Spinal Meningitis	26 ...	38
Acute Poliomyelitis	16 ...	20

District.	Nature of Hospital accommodation.		Infectious Diseases.																				Disinfection.						
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																				Apparatus and where situated.	No. of Houses or Rooms dis-infected					
			Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia. Acute Influenza Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.			Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.		
Fleetwood ..	Joint at Moss Side, 48 beds and 12 cots	Joint at Elswick (With Preston (R.), &c. See next page) 15 beds	(a)	..	39	7	106	1	..	..	2	..	..	5	..	..	1	17	29	14	..	..	..	221	Steam—Town's Yard	172		
			(b)	..	5	..	3	1	..	..	2	..	..	..	..	..	1	20	18	5	7	5	4	..			72	
			(c)	..	19	..	76	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			95	
			(d)	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			4	
Kirkham ..					(a)	..	1	..	..	..	..	1	..	..	..	..	..	..	..	4	4	..	1	..	..	2	No proper apparatus	17
			(b)	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	10			
			(c)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lytham ..					(a)	..	12	..	17	2	..	..	1	..	..	..	..	..	..	11	5	..	..	..	37	Steam—Destructor Works	150 (rooms)	
			(b)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8	..	2	..	..	22			
			(c)	..	11	..	12	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24				
			(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1				
Poulton-le-Fylde			Joint at Moss Side, 48 beds and 12 cots	Joint at Elswick (With Preston (R.), &c. See next page) 15 beds	(a)	..	2	..	5	..	..	..	..	..	1	..	..	..	4	4	..	1	..	..	9	26	No proper apparatus	10
					(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	1	..	..	..	6		
					(c)	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4		
					(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Annes-on-the-Sea					(a)	..	35	10	105	3	..	..	2	..	..	2	..	1	9	5	2	..	15	..	189	Steam—Adjoining Refuse Destructor	197	
	(b)	..			6	..	3	1	..	..	..	2	..	..	..	..	..	..	5	5	..	2	1	..	25			
	(c)	..			26	1	70	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	97				
	(d)	..			6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6				
Thornton ..					(a)	..	7	2	45	..	..	..	..	..	1	1	..	..	11	2	3	251	..	..	323	No proper apparatus	67	
	(b)	..			1	..	..	..	..	..	..	..	..	1	..	..	..	..	6	5	1	..	2	1	17			
	(c)	..			5	..	43	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	49			
	(d)	..			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fylde (R.) ..	At Fylde, &c., Joint (Moss Side)	Joint at Elswick (With Preston (R.), &c. See next page) 15 beds			(a)	..	13	1	21	1	..	..	1	..	..	3	..	..	4	9	3	..	..	..	56	No proper apparatus	49	
					(b)	..	1	1	1	7	3	3	..	1	2			..	18
					(c)	..	11	..	15	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..			28
					(d)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			1
Preesall ..			At Fylde, &c., Joint (Moss Side)	Joint at Elswick (With Preston (R.), &c. See next page) 15 beds	(a)	..	11	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	13	No proper apparatus	3	
					(b)	..	1	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..			3
					(c)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			1
					(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			..
Garstang (R.) ..			Nil	Joint at Elswick (With Preston (R.), &c. See next page) 15 beds	(a)	..	32	5	12	1	..	..	4	..	..	3	1	..	5	14	2	..	..	..	79	No proper apparatus	47	
					(b)	..	1	1	..	..	..	..	..	3	..	..	..	..	1	5	5	2	..	1	..			19
					(c)	..	2	..	2	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..			7
					(d)	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..			2

District.	Nature of Hospital accommodation.		Infectious Diseases.																				Disinfection.					
	For ordinary infectious diseases.	For Small-pox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																				Apparatus and where situated.	No. of Houses or Rooms disinfected				
			Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Polio-myelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia. Acute Influenzal Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.			Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.	
Fulwood ..	Joint at Fulwood 45 beds	Joint at Elswick (With Fylde, &c. See previous page)	(a)	7	12	1	..	..	1	..	1	..	1	..	..	..	..	4	2	2	..	..	..	..	30	Steam—Hospital ..	28
			(b)	1	8	2	2	1	..	14		
			(c)	4	7	11		
			(d)		
Longridge ..	Joint at Fulwood 45 beds	Joint at Elswick (With Fylde, &c. See previous page)	(a)	13	6	..	..	..	1	..	..	..	..	..	..	..	..	4	4	1	..	..	..	..	29	Steam—Hospital ..	19
			(b)	1	2	3	..	2	8		
			(c)	13	6	19		
			(d)		
Preston (R.) ..			(a)	45	6	54	8	..	..	..	..	2	1	..	..	..	1	14	17	7	..	..	..	155	No proper apparatus	179	
			(b)	2	1	1	14	12	3	4	..	2	..	39		
			(c)	39	50	89		
			(d)	2	2		
Barrowford ..	At Nelson Boro. hospital	At Nelson Boro. hospital	(a)	1	6	1	..	..	1	..	2	..	..	..	..	..	..	6	2	2	..	..	..	21	Steam—Nelson (B.)..	4	
			(b)	..	..	..	..	..	1	..	..	..	..	..	..	..	..	5	1	..	1	..	3	11			
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Billinge ..	Nil	Cottage—4 beds*	(a)	3	2	10	1	..	1	..	..	..	..	..	..	..	..	1	5	3	..	..	..	26	No proper apparatus	16	
			(b)	2	..	1	..	..	..	..	..	..	..	..	..	..	..	3	2	2	..	1	1	12			
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blackrod ..		Nil*	(a)	3	7	9	..	..	..	..	..	..	..	..	1	..	12	..	7	..	..	..	..	39	Steam—Hospital ..	39	
			(b)	2	1	..	..	..	..	..	..	..	..	..	..	..	..	8	1	1	..	..	2	..	15		
			(c)	2	..	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Horwich ..	Joint at Fall Birch, Horwich, 55 beds	Temporary hospital —5 beds*	(a)	15	6	22	2	..	..	..	1	3	..	..	..	..	94	19	5	238	..	..	..	405	Steam—Hospital ..	84	
			(b)	3	1	..	..	..	..	†1	..	..	..	..	..	..	..	18	11	1	3	2	1	..	41		
			(c)	12	..	21	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	35		
			(d)	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Westhoughton ..		Temporary hospital —12 beds*	(a)	5	4	30	6	..	2	..	2	1	..	..	..	..	22	16	16	..	..	..	104	Steam—Hospital ..	76		
			(b)	..	..	1	1	..	2	..	..	..	..	..	..	..	..	15	6	1	1	..	6	..	33		
			(c)	4	..	22	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31		
			(d)	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Brierfield ..			(a)	8	5	12	..	..	1	..	..	..	..	..	..	..	24	11	7	..	..	..	68	Steam—Nelson B. ..	32		
			(b)	..	..	..	..	..	1	..	..	..	..	..	..	..	..	14	11	1	2	..	5	..	34		
			(c)	1	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Padiham ..	Joint with Burnley (C.B.) for all purposes (Kibble Bank) (Crown Point)		(a)	7	11	13	..	1	¶1	..	5	1	..	1	1	1	19	10	12	..	..	..	82	Steam—Burnley C.B.	42		
			(b)	1	2	..	§2	..	..	1	..	..	..	..	..	..	..	8	7	7	3	1	4	..	35		
			(c)	3	2	11	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17		
			(d)	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Burnley (R.) ..			(a)	17	1	12	1	..	3	..	..	..	..	..	..	..	..	14	7	..	..	..	55	Steam—Burnley C.B.	29		
			(b)	4	..	1	..	..	1	..	..	..	..	..	..	..	..	16	16	3	..	1	1	..	43		
			(c)	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		

§ Both notified as Continued Fever—one in 1919.

¶ Death classified as "other diseases of parturition."

District.	Nature of Hospital accommodation.		Infectious Diseases.																						Disinfection.	
	For ordinary infectious diseases.	For Small-pox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																						Apparatus and where situated.	No. of Houses or Rooms dis-infected.
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia.	Acute Influenzal Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).			Chicken-pox.	Total.
Carnforth ..	2 wards—12 beds (Crag Bank)	Nil	(a) ..	1	..	..	1	..	..	..	..	1	..	..	..	..	1	3	..	..	..	..	7	No proper apparatus	2
			(b) ..	..	..	†1	..	..	..	..	..	..	..	..	..	..	1	4	1	..	..	1	8		
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chadderton ..	At Oldham Boro. hospital	} Joint at Racefield —26 beds	(a) ..	31	10	109	1	2	..	8	28	39	17	24	269	Steam at hospital, available for small-pox cases	154
			(b) ..	3	..	2	1	2	†1	20	22	4	2	3	11	..	71		
			(c) ..	14	3	37	54		
			(d) ..	3	..	1	4		
Crompton ..	Do. ..	}	(a) ..	13	10	17	2	..	..	..	..	6	15	..	1	1	44	20	7	5	..	..	141	Steam—Destructor Works	70
			(b) ..	2	1	..	1	..	..	..	..	..	..	..	..	..	8	15	3	..	1	3	34		
			(c) ..	5	..	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15		
			(d) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Royton ..	Do. ..	}	(a) ..	19	9	22	2	2	..	3	3	..	2	..	8	20	15	44	149	Steam—Oldham C.B.	85
			(b) ..	4	1	11	13	5	2	1	5	..	42	houses and 1 room	
			(c) ..	4	..	7	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13		
			(d) ..	3	3		
Church ..	Nil	Agreement with Oswaldtwistle from 1921	(a) ..	6	..	22	..	..	..	..	..	3	..	..	..	..	..	4	11	..	..	..	46	Steam—Oswaldtwistle	20
			(b) ..	..	..	..	..	..	..	†1	..	..	..	..	..	..	6	2	..	1	1	3	14		
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clayton-le-Moors	At Burnley, &c., joint hospital	At Accrington Boro. hospital	(a) ..	3	5	4	2	..	..	..	..	3	..	..	..	..	4	7	10	..	..	..	38	Steam—Accrington (B.)	11
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	17	5	2	..	1	..	25		
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Clitheroe (B.) ..	Nil	} Arrangement with Blackburn C.B.	(a) ..	7	..	1	..	..	..	..	..	1	..	..	..	..	3	8	5	..	..	..	25	Steam—Gas Works	22
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	16	11	2	2	5	..	36		
			(c)		
			(d)		
Clitheroe (R.) ..	Nil	}	(a) ..	7	2	18	..	..	..	..	..	..	..	..	..	..	..	2	3	..	..	..	32	Steam—Clitheroe (B.)	14
			(b) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	5	1	..	..	1	8	(and school)	
			(c) ..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
			(d)		
Colne (B.) ..	10 beds ..	20 beds ..	(a) ..	65	6	67	5	..	..	1	1	6	6	..	..	..	27	23	17	..	..	..	224	Steam—Destructor works	198
			(b) ..	8	2	1	1	..	..	1	1	..	..	..	..	..	27	19	9	1	..	4	74		
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croston ..	At West Lancashire Rural hospital	Nil	(a) ..	..	4	11	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	16	Steam—Hospital		
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	2			
			(c) ..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

District.	Nature of Hospital accommodation.		Infectious Diseases.																						Disinfection.				
	For ordinary infectious diseases.	For Small-pox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																						Apparatus and where situated.	No. of Houses or Rooms disinfected.			
			Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Polio-myelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia.	Acute Influenzal Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).			Chicken-pox.	Total.	
Dalton-in-Furness	Joint at High Carley—30 beds	At Barrow Boro. hospital	(a)	..	20	2	12	..	..	..	..	..	6	..	..	..	2	1	39	7	..	..	..	..	89	No apparatus	..	32	
			(b)	..	6	..	1	..	..	..	..	..	..	..	..	..	..	2	10	22	8	26	6	..	..	81			
			(c)	..	19	..	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27			
			(d)	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3			
Ulverston ..	Joint at High Carley—30 beds	At Barrow Boro. hospital	(a)	..	5	1	7	..	..	..	..	..	..	..	..	..	..	..	30	4	..	..	..	..	47	No apparatus	..	33	
			(b)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9	3	6	2	..	3	..	23			
			(c)	..	3	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10			
			(d)	..	..	..	§1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
Ulverston (R.) ..	Joint at High Carley—30 beds	At Barrow Boro. hospital	(a)	..	17	8	13	7	..	..	..	1	..	6	..	..	1	1	21	5	..	..	..	..	80	No apparatus	..	60 (and 1 school)	
			(b)	..	..	..	..	2	..	..	..	..	..	..	..	..	1	13	12	6	..	..	1	..	35				
			(c)	..	10	..	6	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18				
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Darwen (B.) ..	20 beds for scarlet fever; 8 for enteric fever	Converted farmhouse—2 beds	(a)	..	18	9	37	2	..	..	3	..	3	5	..	..	..	10	22	10	126	..	..	..	245	Steam—Hospital	..	96	
			(b)	..	2	..	..	..	..	..	†4	..	..	..	..	..	..	..	33	23	12	2	..	5	..	81			
			(c)	..	..	..	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	14			
			(d)		
Denton ..	4 beds, Hyde Boro. hospital	2 beds, Hyde	(a)	..	22	10	64	..	..	..	2	..	11	1	..	..	..	25	16	9	..	..	..	..	160	Steam disinfectors acquired, but not yet in use	..	97	
			(b)	..	3	..	..	..	..	..	†1	..	..	..	..	..	..	..	12	11	4	4	3	3	..	41			
			(c)	..	11	1	8	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	22			
			(d)	..	1	..	..	..	..	..	..	†1	..	..	..	..	..	..	..	..	..	..	..	..	..	2			
Droylsden ..	5 beds, Hyde Boro. hospital	1 bed, Hyde	(a)	..	12	7	26	1	..	..	3	..	8	8	..	1	..	35	27	14	..	..	..	..	142	Steam—Destructor Works	..	99	
			(b)	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	11	14	4	2	4	2	..	40			
			(c)	..	4	1	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9			
			(d)		
Eccles (B.) ..	20 beds, Salford Boro. hospital	6 beds, Salford	(a)	2	40	28	220	2	..	..	3	1	2	12	7	..	..	29	180	57	139	..	..	17	739	Steam—Sewage Works	..	878 (rooms)	
			(b)	1	3	3	3	..	..	..	1	1	..	..	..	..	..	..	33	46	10	3	6	12	..	122			
			(c)	2	30	7	52	1	..	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	95			
			(d)	1	3	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	7			
Failsworth ..	At Oldham Borough hospital	Chadderton, &c., Joint Board—2 beds	(a)	..	28	13	62	..	..	..	5	..	..	15	20	..	5	2	51	35	13	..	..	..	249	Steam—Oldham C.B.	..	86	
			(b)	..	2	1	..	..	..	..	1	..	..	..	..	..	..	..	11	11	9	1	3	3	..	42			
			(c)	..	3	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22			
			(d)	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2			
Farnworth ..	30 beds	At Bury, &c., joint hospital	(a)	..	38	24	119	1	..	..	3	..	..	3	6	..	..	..	11	59	21	..	..	..	285	Steam—Hospital	..	218 (rooms)	
			(b)	..	6	..	1	1	..	..	2	..	†1	..	..	..	..	..	36	22	5	1	4	16	..	95			
			(c)	..	..	..	75	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	76			
			(d)	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
Little Lever ..	At Farnworth hospital	At Bury, &c., joint hospital	(a)	..	8	5	4	1	..	..	..	..	3	..	..	..	..	1	4	4	..	..	..	..	30	Steam—Hospital	..	10	
			(b)	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	5	4	1	..	..	1	..	12			
			(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d)		

† At Darwen, 1 of the 4 an inward transfer. § Outward transfer.

District.	Nature of Hospital accommodation.		Infectious Diseases.																				Disinfection.				
	For ordinary infectious diseases.	For Small-pox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																				Apparatus and where situated.	No. of House or Room disinfected.			
			Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia. Acute Influenzal Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.			Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.
Formby ..	At Bootle Borough hospitals ..		(a) ..	3	1	34	1	..	..	..	..	..	..	..	..	..	..	8	..	..	..	..	..	..	47	Steam—Bootle C.B.	40
			(b) ..	..	1	..	..	..	..	..	..	..	..	..	..	..	9	9	2	1	1	..	..	..	23		
			(c) ..	1	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grange-over-Sands	At Kendal Borough hospital	At Barrow Borough hospital	(a) ..	..	..	4	..	..	..	1	..	..	..	..	..	..	..	7	..	..	..	..	..	..	12	No proper apparatus	12 (rooms)
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	1	..	..	..	..	..	4		
			(c) ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Great Crosby ..	At Liverpool Borough hospitals ..		(a) ..	29	2	55	4	..	..	..	..	1	3	..	..	..	17	17	8	..	..	..	..	..	136	Dry Heat—Council's Yard	139
			(b) ..	1	..	1	..	..	..	†1	..	..	..	..	..	..	18	11	4	..	..	2	..	..	38		
			(c) ..	18	..	20	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	39		
			(d) ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Great Harwood ..	Nil	Nil	(a) ..	4	8	35	..	..	..	..	..	2	1	..	..	..	..	13	5	..	..	..	..	..	68	No proper apparatus	52
			(b) ..	1	2	..	..	..	..	..	..	..	..	..	..	..	14	5	1	5	..	2	..	..	30		
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Haslingden (B.)	Agreement with Bury and District Joint Hospital Board		(a) ..	21	15	13	5	..	..	3	..	..	1	6	..	2	..	14	13	12	..	..	..	..	105	Steam—Destructor Works	41
			(b) ..	4	1	..	2	..	..	1	..	..	..	..	..	..	†1	6	6	..	2	..	1	..	24		
			(c) ..	4	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	6		
			(d) ..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Haydock ..	10 beds at St. Helens Borough hospital	St. Helens small-pox hospital—3 beds	(a) ..	7	9	32	3	..	..	1	..	5	..	..	..	..	1	11	3	..	..	..	..	..	72	Steam—St. Helens C.B.	56
			(b) ..	1	..	..	..	..	..	..	†1	..	..	..	..	..	16	2	3	4	..	4	..	..	31		
			(c) ..	3	..	17	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Heysham ..	4 beds ..	4 beds ..	(a) ..	6	1	20	..	..	..	..	..	..	..	..	..	..	3	3	3	..	..	..	..	..	36	Steam—Lancaster (B.)	35
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	5	1	..	..	..	..	..	7		
			(c) ..	..	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Heywood (B.) ..	At Rochdale hospital (Marland)	Bury and District Joint Board at Birtle	(a) ..	14	35	18	2	..	..	5	..	..	15	2	..	..	2	31	40	18	..	..	..	53	235	Steam—Hospitals ..	61
			(b) ..	1	4	..	..	..	..	4	..	..	..	..	..	..	1	24	26	7	7	3	4	..	81		
			(c) ..	7	1	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18		
			(d) ..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Hindley ..	16 beds for scarlet fever; also at Horwich and Abram when beds available for enteric and diphtheria	None ..	(a) ..	18	18	72	3	..	..	4	1	..	35	3	..	..	..	153	23	13	..	..	..	..	343	Steam—Town's Yard	186
			(b) ..	4	..	3	3	..	..	2	..	..	..	..	..	..	..	53	15	3	32	..	23	..	138		
			(c) ..	9	..	36	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	47		
			(d) ..	3	..	3	1	..	..	†1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8		
Huyton-with-Roby	1 bed at Whiston (more if vacant)	1 bed at Whiston (more if vacant)	(a) ..	..	2	13	..	..	..	..	1	1	..	1	..	..	8	8	..	..	..	..	..	..	34	No proper apparatus	16
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	2	..	1	..	1	..	..	11		
			(c) ..	..	..	11	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	12		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

District.	Nature of Hospital accommodation.		Infectious Diseases.																								Disinfection.			
			Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																											
	For ordinary infectious diseases.	For Small-pox.	Small-pox.	Diphtheria and Membranous Group	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia.	Acute Influenzal Pneumonia	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.	Apparatus and where situated.	No. of Houses or Rooms dis-infected.		
Ince-in-Makerfield	14 beds	12 beds*	(a) .. 9 10 53 8	(b) .. 2 22	(c) 34 2	(d)	†1 .. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	5 3 1 .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	15 32 6 142	47 23 8 18 .. 15 .. 116	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	36	Steam—Hospital ..	129
Irlam	At Salford Boro. hospital (no contract)	2 beds Salford ..	(a) .. 6 3 63 1 4 3	(b) .. 1 1 3	(c) .. 1 17 2 3	(d) .. 1 1 .. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. 6 4 90	3 6 1 2 1 .. 15	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	20 2	Steam—Town's Yard	47
Kearsley	At Farnworth hospital	At Bury, &c., joint hospital	(a) .. 7 9 24 3 2	(b) 1 1 15 .. 2 3 .. 1 3 .. 26	(c) 1 8 1 2 4 10	(d) .. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. 19 4 71	15 2 3 1 3 .. 26	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	10	Steam—Farnworth ..	38
Lancaster (B.) ..	42 beds	11 beds, Littlefell..	(a) .. 24 12 68 5 1 11 5 14 64 25 229	(b) .. 2 1 1 32 36 10 5 .. 6 .. 94	(c) .. 18 49 3 2 36 10 70	(d) .. 2 1 .. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. 32 36 10 5 .. 6 ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	3	Steam—Hospital ..	125
Lathom and Burscough	Joint at Green Lane—26 beds	Arrangement with Liverpool C.B.	(a) .. 17 3 45 1 2 5 1 1 26 5 1 107	(b) 1 1 2 9 2 3 .. 1 .. 18	(c) .. 16 24 1 4 2 3 45	(d) .. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. 9 2 3 .. 1 ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	2	Steam—Hospital ..	65
Ormskirk			(a) .. 73 6 19 2 1 1 3 13 2 120	(b) .. 3 13 2 2 9 19	(c) .. 69 13 2 2 84	(d) .. 1 2 13 2 .. 2 3	1	Steam—Hospital ..	86	
Lees			At Oldham Boro. hospital	Nil	(a) .. 1 1 6 1 7 2 3 21	(b) .. 1 4 4 10	(c) .. 1 1 4 2	(d) .. 1 4 4 1	1	Steam—Oldham C.B. for smallpox cases	16
Litherland			At Bootle Borough hospitals	(a) .. 29 4 51 2 2 .. 1 49 14 157	(b) .. 5 1 3 1 2 35 24 6 5 6 7 .. 60	(c) .. 21 2 30 1 2 56	(d) .. 3 1 3 1 1 9 49 14 .. 5 6 5 24 6 .. 6 7	9	Steam—Council's Depot, School Lane	123
Littleborough ..	Joint at Smithy Bridge—16 beds	At Bury, &c., joint hospital	(a) .. 2 4 23 2 .. 1 2 1 14 3 52	(b) 1 1 8 5 2 19	(c) .. 2 11 2 13	(d) 1 .. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. 1 14 3 .. 2 ..	.. 8 5 2 2 ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	.. .. .. .. ..	1	Steam—Hospital; also Dry-heat—Canal Wharf	36
Milnrow			(a) .. 2 3 11 1 1 13 13 7 68	(b) 1 13 9 3 31	(c) .. 1 9 13 10	(d) 13 13 7 .. 1 4 13 9 3 1 4	Steam (portable)—Council Yard	19	
Wardle			(a) .. 4 .. 5 1 3 1 5 19	(b)	(c) .. 4	(d) 5 4 4	.. 4 4	4	Steam—Hospital ..	9
					(a)	(b)	(c)	(d)	

† At Lancaster (B.), 1 of the 2 an inward transfer.

[illegible]

District.	Nature of Hospital accommodation.		Infectious Diseases.																				Disinfection.					
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																				Apparatus and where situated.	No. of infected persons.				
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Polio-myelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia.	Acute Influenzal Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.			Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.
Prescot ..	At Whiston Sanatorium ..	..	(a) ..	10	1	20	..	..	..	1	..	..	..	..	..	..	..	..	13	19	4	..	..	..	55	Steam—Whiston Sanatorium ..	..
			(b) ..	..	..	..	..	..	..	†2	..	..	..	..	..	..	..	..	..	5	2	..	2	8	..	32		
			(c) ..	7	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Prestwich ..	At Salford Borough hospitals ..	..	(a) ..	21	2	55	1	..	..	..	3	..	2	..	..	..	..	..	15	19	4	..	..	..	107	Steam—Salford C.B.	..	
			(b) ..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	11	11	1	1	1	4	..	36		
			(c) ..	14	..	27	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	43		
			(d) ..	..	..	1	..	..	..	..	§1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
Radcliffe ..	At hospitals of the Bury and District Joint Hospital Board :— 90 beds .. | 40 beds ..	..	(a) ..	37	5	59	2	..	..	5	..	..	3	17	..	..	1	29	29	24	..	..	..	..	¶221	Steam—Hospital ..	..
			(b) ..	4	1	1	1	..	..	..	..	..	..	..	..	..	..	17	23	14	..	3	3	..	67			
			(c) ..	33	1	31	2	..	..	3	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	¶73		
			(d) ..	4	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6		
Ramsbottom ..		..	(a) ..	37	8	40	1	..	..	3	1	1	6	..	..	..	..	..	20	14	6	..	..	..	..	137	Steam—Destructor Works	..
			(b) ..	4	..	..	..	..	..	..	1	..	..	..	..	..	..	..	12	13	3	..	2	2	..	37		
			(c) ..	29	2	23	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	56		
			(d) ..	2	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3		
Tottington ..		..	(a) ..	26	9	23	3	..	..	..	..	..	1	2	..	..	..	..	39	11	8	..	..	..	3	125	Steam—Hospital ..	..
			(b) ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4	1	..	1	3	..	14		
			(c) ..	11	2	11	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	25		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Whitefield ..		..	(a) ..	5	5	13	..	..	..	..	..	..	1	..	..	..	..	..	16	5	3	..	..	..	..	48	Steam—Florence Nightingale Hospital, Bury	..
			(b) ..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	8	2	1	1	..	1	..	14		
			(c) ..	3	..	5	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	9		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bury (R.) ..		..	(a) ..	12	3	16	1	..	1	2	..	1	2	3	..	..	..	..	4	10	10	..	..	..	4	69	Steam—Florence Nightingale Hospital, Bury	..
			(b) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	2	3	2	2	..	..	15		
			(c) ..	9	..	6	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rainford ..	Nil ..	4 beds ..	(a) ..	3	3	7	..	..	..	..	..	..	..	..	..	..	..	4	1	1	..	..	..	..	19	No apparatus ..	..
			(b) ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	5	2	2	1	1	2	..	15			
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rawtenstall (B.)	Arrangement made with Bury and District Joint Hospital Board	22 beds (The Ridge)	(a) ..	13	7	11	1	..	..	1	..	..	7	1	..	..	..	23	33	19	..	..	..	..	116	Steam—Small-pox hospital	..	
			(b) ..	1	2	..	1	..	..	..	..	..	..	..	..	..	..	23	14	7	5	3	6	..	62			
			(c) ..	4	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6			
			(d) ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
Rishton ..	Nil, "but can send to Blackburn"	At Oswaldtwistle by agreement	(a) ..	12	11	6	..	..	..	..	1	..	2	..	..	..	..	44	12	4	..	..	..	..	92	No apparatus, but can send to Blackburn C.B.	..	
			(b) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	7	7	2	1	1	1	..	20			
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Skelmersdale ..	30 beds ; and at West Lancashire hospital (if required)	Nil ..	(a) ..	7	7	37	..	..	..	..	..	..	..	..	..	..	..	8	6	..	..	..	..	..	65	Steam—West Lancashire Hospital	..	
			(b) ..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	10	7	..	3	..	2	..	24			
			(c) ..	..	..	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

† At Prescott, 1 of the 2 an inward transfer.

¶ 1 case of acute polio-encephalitis notified and removed to hospital.

§ Death classified as "meningitis."

District.	Nature of Hospital accommodation.		Infectious Diseases.																				Disinfection.					
	For ordinary infectious diseases.	For Small-pox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																				Apparatus and where situated.	No. of Houses or Rooms dis-infected.				
			Small-pox.	Diphtheria and Membranous Group.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia. Acute Influenzal Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.			Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.	
Standish-with-Langtree	Nil	Cottage—6 beds*	(a) ..	4	12	26	1	1	2	9	5	60	No apparatus ..	40	
			(b) ..	1	1	18	6	5	5	2	1	..	39			
			(c)	1		
			(d)	1		
Stretford ..	At Salford Borough hospitals ..	(6 beds)	(a) ..	37	16	241	6	3	1	..	15	3	..	1	1	21	69	27	62	503	Steam—Sanitary Depôt	432	
			(b) ..	4	1	1	2	1	1	33	42	5	6	2	3	..	101			
			(c) ..	14	3	122	2	2	1	144			
			(d) ..	2	1	1	1	5			
Swinton and Pendlebury	At Salford Boro. hospital (14 beds)	Joint at Linnyshaw Moss—20 beds	(a) ..	48	32	252	2	..	..	..	..	6	10	..	..	2	121	60	16	..	..	..	42	691	Steam—Destructor Works	350
			(b) ..	5	..	1	1	..	..	†1	..	..	..	..	..	1	35	27	6	3	10	4	..	94		
			(c) ..	4	..	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	86		
			(d) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Worsley ..	At Salford Boro. hospital (6 beds)		(a) ..	13	7	104	3	..	..	..	..	..	..	..	..	..	17	15	9	..	..	..	11	179	Steam—Salford C.B.	154
			(b)	12	8	1	1	1	1	..	24			
			(c) ..	..	..	9	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10		
			(d)			
Trawden ..	At Colne Borough hospitals ..		(a) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	Steam—Nelson (B.)..	2
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	4		
			(c)			
			(d)			
Furton ..	At Bury, &c., joint hospital	2 beds (Bury, &c., joint hospital)	(a) ..	33	6	24	..	..	..	..	..	..	..	..	..	..	9	4	8	..	..	..	..	84	No apparatus	56
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	13	7	2	2	..	2	..	26		
			(c) ..	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Upholland ..	Nil. Occasionally sent to Wigan C.B.	Tent—8 beds*	(a) ..	4	1	26	1	..	..	1	1	..	..	1	..	..	..	5	1	..	..	..	..	41	Steam—Billinge Workhouse	29
			(b) ..	1	..	1	..	..	..	..	..	..	..	..	..	..	3	4	1	1	..	..	..	11		
			(c) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Urmston ..	At Salford Borough hospitals ..	(2 beds)	(a) ..	2	2	26	..	..	..	..	..	..	..	..	..	1	4	5	2	..	..	..	1	43	Steam—Salford C.B.	42
			(b) ..	..	..	..	..	..	..	†2	..	..	..	..	..	..	3	5	1	..	1	1	..	13		
			(c) ..	1	..	7	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	10			
			(d) ..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1			
Walton-le-Dale ..	20 beds (School Lane)	8 beds (Bradkirk)	(a) ..	12	5	23	1	..	..	1	..	1	1	..	..	..	11	7	3	..	..	..	65	Steam—Hospital ..	64	
			(b) ..	1	..	..	..	..	..	1	..	..	..	..	..	..	12	12	3	6	..	1	..	36		
			(c) ..	11	..	20	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	32			
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Waterloo-with-Seaforth	At Liverpool Borough hospitals ..		(a) ..	77	16	158	6	..	1	..	3	9	4	..	..	4	24	53	25	430	..	29	..	839	Steam—Council's Yard	359
			(b) ..	9	..	3	1	..	..	†1	..	..	..	..	..	1	40	18	11	5	6	11	..	106		
			(c) ..	47	2	93	4	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	148		
			(d) ..	5	..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8		

District.	Nature of Hospital accommodation.		Infectious Diseases.																							Disinfection.	
	For ordinary infectious diseases.	For Small-pox.	Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.																							Apparatus and where situated.	No. House or Room dis-infected.
			Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia.	Acute Influenzal Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.	Total.	
Whitworth ..	Nil	Cottage—12 beds	(a) ..	1	3	12	1	..	..	†1	..	..	1	..	..	..	..	4	13	7	..	..	..	2	44	No apparatus	27
			(b) ..	..	..	..	1	..	..	†1	..	..	..	..	..	..	..	9	11	5	..	..	..	..	30		
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Widnes (B.) ..	36 beds (Crow Wood)	8 beds (Barrow's Green)	(a) ..	77	9	85	1	..	..	3	..	..	6	..	..	..	..	202	76	36	..	..	..	..	495	Steam—Hospital	235
			(b) ..	3	..	1	..	..	..	2	..	†1	..	..	..	..	..	54	47	12	3	1	19	..	143		
			(c) ..	53	..	64	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	119		
			(d) ..	2	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4		
Withnell ..	25—30 beds	1 bed at Finnington (Blackburn)	(a) ..	1	..	1	..	..	..	..	..	..	1	..	..	..	..	..	3	1	..	..	..	..	7	Steam—Hospital	3
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	1	..	..	..	4		
			(c) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Barton-upon-Irwell (R.)	At Salford Borough hospitals (5 beds)	(2 beds)	(a) ..	16	4	72	..	..	..	..	..	1	1	2	..	..	..	3	14	4	..	..	..	..	117	Steam—Mode Wheel, Salford	79
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	12	2	3	1	1	..	26		
			(c) ..	4	..	28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	32		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Blackburn (R.) ..	Nil.—Cases can be removed to Blackburn (C.B.), Chorley (joint), & Withnell fever hospitals	Nil. — Cases can be removed to Finnington, Blackburn (C.B.)	(a) ..	7	2	23	1	..	..	1	..	..	..	..	..	3	..	6	7	2	..	..	..	..	52	Steam—Blackburn C.B.	51
			(b) ..	1	..	..	..	..	..	†3	..	..	..	..	..	..	..	8	5	1	..	1	1	..	20		
			(c) ..	4	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lancaster (R.) ..	At Lancaster Borough hospitals		(a) ..	1	3	5	1	..	..	..	..	..	3	..	..	..	..	4	4	..	..	..	..	..	21	No apparatus	13
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4	2	2	2	..	..	10		
			(c) ..	1	..	3	1	..	..	..	..	..	..	..	..	..	..	4	2	..	..	..	..	..	5		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lunesdale (R.) ..	Hospital at Farleton (13 beds)		(a) ..	..	..	7	..	..	..	1	..	..	..	..	..	..	..	1	2	..	..	..	..	..	11	Steam—Lancaster (B.)	4
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	3	3	..	..	..	..	9		
			(c) ..	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sefton (R.) ..	At Liverpool Borough hospitals		(a) ..	11	..	9	..	..	..	..	..	..	..	..	..	..	..	1	6	2	..	..	..	..	29	Steam—Liverpool C.B.	35
			(b) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	4	5	2	1	..	1	..	14		
			(c) ..	7	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10		
			(d) ..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Warrington (R.)	At Warrington C.B. and Newton-in-Makerfield	Nil	(a) ..	10	3	18	1	..	..	1	..	..	1	2	..	..	..	33	12	8	..	..	..	..	89	Steam—Hospital	33
			(b) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16	8	3	1	..	2	..	30		
			(c) ..	7	..	8	1	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	18		
			(d) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
West Lancashire (R.)	26 beds—(Aughton)	Tent—8 beds. Arrangement with Liverpool Corporation for additional accommodation	(a) ..	51	8	28	..	..	..	2	..	..	2	5	..	1	..	31	18	5	..	..	..	..	151	Steam—Hospital	120
			(b) ..	8	1	..	..	..	..	..	..	..	..	..	..	..	..	13	16	5	3	5	..	..	51		
			(c) ..	47	..	27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	74		
			(d) ..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6		

† At Blackburn (R.) 2 of the 3 are inward transfers.

District.	Nature of Hospital accommodation.		Infectious Diseases.																							Disinfection.			
	For ordinary infectious diseases.	For Small-pox.	<i>Note.—(a) Cases notified. (b) Total deaths. (c) Removals to hospital. (d) Deaths in hospital.</i>																							Apparatus and where situated.	No. of Houses or Rooms disinfected.		
			Small-pox.	Diphtheria and Membranous Croup.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Relapsing Fever.	Continued Fever.	Puerperal Fever.	Cerebro-Spinal Meningitis.	Poliomyelitis.	Ophthalmia Neonatorum.	Malaria.	Trench Fever.	Dysentery.	Encephalitis Lethargica.	Acute Primary Pneumonia.	Acute Influenzal Pneumonia.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.	Measles and German Measles.	Whooping Cough.	Diarrhoea, &c. (under 2 years).	Chicken-pox.			Total.	
Whiston (R.) (e) ..	36 beds	20 beds	(a)	..	64	11	60	1	2	4	63	1	25	92	11	334	Steam—Sanatorium	41	
			(b)	..	3	..	1	†1	30	25	4	..	3	1	5	..			73
			(c)	..	59	..	45	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	105	
			(d)	..	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	
Wigan (R.) ..	Nil	Cottage—4 beds*	(a)	..	5	5	24	1	2	5	1	43	No apparatus ..	39	
			(b)	..	1	1	..	..	..	..	†2	..	..	..	..	..	..	..	6	5	..	1	..	1	..	17	
			(c)	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2		
			(d)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
County, 1920 :—																													
	Total cases notified		(a)	83	2120	863	4831	183	..	3	138	26	16	457	226	..	87	32	2420	2343	1009	1248	15	34	410	16545	(f)		
	„ deaths		(b)	1	202	46	53	52	..	..	81	15	8	..	..	..	13	1815	1323	396	331	160	441	..	4937		
	„ removals to hospital		(c)	83	1005	32	2218	74	..	1	26	15	1	15	1	..	5	..	..	..	..	..	..	..	3477	Total houses or rooms disinfected ..	10674 and 3 schools
	„ deaths in hospital		(d)	1	82	7	29	17	..	..	12	8	..	..	..	..	1	..	..	..	..	..	..	..	157		

(e) 62 cases of pulmonary tuberculosis, 5 other forms of tuberculosis, and all the cases of dysentery were notified from Rainhill Asylum Annexe.

(f) Totals include 1 case of acute polio-encephalitis notified from Radcliffe.

				1920.	1919.
Ophthalmia Neonatorum	...	...	...	457	337
Pulmonary Tuberculosis	...	...	...	2,343	2,175
Other forms of Tuberculosis	...	...	...	1,009	868
*Measles and German Measles	...	...	...	1,248	†13,021
*Whooping Cough	...	...	...	15	6
*Infantile Diarrhœa	...	...	...	34	8
*Chicken-pox	...	...	...	410	456
Malaria	...	...	...	226	770
Dysentery	...	...	...	87	190
Trench Fever	...	...	...	—	3
Acute Primary Pneumonia and Acute					
Influenzal Pneumonia.	...	...	...	2,420	2,915
Acute Encephalitis Lethargica	...	...	...	32	26
Acute Polio-Encephalitis	...	...	...	1	—
Totals				16,545	27,774

* Notifiable in a few districts only. † Compulsorily notifiable in 1919.

Chicken-pox was notifiable for limited periods in 24 districts, measles in 9 districts, diarrhœa (in children under two years of age) in 3 districts, and whooping cough in 4 districts.

Table “H,” here inserted, compares the incidence of certain notifiable diseases in this County with other Administrative Counties, with the aggregate of English Administrative Counties, and with England and Wales.

Isolation Hospitals.—Table “G,” inserted opposite page lxi., shows the nature of the hospital accommodation provided in, or available for, each County sanitary district, and gives for each district—

- (a) the number of cases of infectious disease notified,
- (b) the total deaths from such diseases,
- (c) the number of cases removed to hospital, and
- (d) the number of deaths in hospital.

TABLE H.—STATISTICS OF INFECTIOUS DISEASES NOTIFIED IN ADMINISTRATIVE COUNTIES
FOR THE YEAR 1920.

	Estimated Population, 1920.	CASES NOTIFIED.													
		Scarlet Fever.		Diphtheria and Membranous Croup		Enteric Fever.		Puerperal Fever.		Erysipelas.		Small-pox.	Cerebro- Spinal Fever.	Polio- myelitis.	Ophthalmia Neonatorum.
		Cases.	*Rate.	Cases.	*Rate.	Cases.	*Rate.	Cases.	*Rate.	Cases.	*Rate.				
England and Wales	37,426,800	119,490	3·19	69,481	1·86	3,109	0·08	2,898	0·08	16,051	0·43	263	583	293	10,304
Aggregate of English Administrative Counties (excluding London) }	18,195,059	44,478	2·45	29,717	1·63	1,595	0·09	1,076	0·06	6,880	0·38	136	218	153	2,911
Administrative Counties :—															
Lancashire	1,728,967	4,774	2·76	2,089	1·21	181	0·10	137	0·08	845	0·49	82	24	14	450
Cheshire	624,862	1,680	2·69	811	1·30	34	0·05	50	0·08	236	0·38	12	9	9	137
Cumberland	214,214	272	1·27	486	2·27	15	0·07	17	0·08	82	0·38	...	1	2	29
Derbyshire	570,276	1,182	2·07	1,342	2·35	60	0·11	39	0·07	257	0·45	...	4	20	81
Durham	926,224	5,434	5·87	1,472	1·59	69	0·07	49	0·05	460	0·50	1	4	5	308
Kent	1,021,592	2,747	2·69	2,326	2·28	136	0·13	51	0·05	346	0·34	7	8	4	116
Middlesex	1,277,990	4,550	3·56	3,157	2·47	79	0·06	79	0·06	505	0·40	1	23	12	198
Northumberland	393,195	1,957	4·98	600	1·53	47	0·12	23	0·06	244	0·62	...	6	2	65
Nottinghamshire	380,928	846	2·22	415	1·09	10	0·03	29	0·08	149	0·39	1	2	3	104
Staffordshire	701,554	1,290	1·84	833	1·19	27	0·04	44	0·06	281	0·40	...	8	7	142
Surrey	714,863	1,934	2·71	1,250	1·75	84	0·12	43	0·06	226	0·32	...	10	7	73
Warwickshire	337,490	714	2·12	425	1·26	14	0·04	22	0·07	133	0·39	...	4	1	54
Yorkshire (West Riding) ...	1,492,293	3,577	2·40	2,351	1·58	187	0·13	92	0·06	731	0·49	...	12	10	270

MEM.—The above totals and rates are taken from a Report of the Ministry of Health ; the totals for Lancashire do not quite agree with the totals of notifications as extracted from local reports.

* Calculated per 1,000 of the Estimated Population.

The table below gives the percentage of removals to hospital of cases of small-pox, scarlet fever, diphtheria, and enteric fever, and contrasts the mortality from these diseases of cases treated at home with those isolated in hospital :—

	Total cases notified.	Hospital Treatment.			Home Treatment.		Case mortality per cent.	
		Cases removed to hospital.	Percentage of removals.	Deaths in hospital.	Cases treated at home.	Deaths at home.	In hospital.	At home.
Small-pox ..	83	83	100·0	1	..	..	1·20	..
Scarlet Fever.	4831	2218	45·9	29	2613	23	1·30	0·88
Diphtheria ..	2120	1005	47·4	82	1115	120	8·15	10·76
Enteric Fever.	183	74	40·4	17	109	35	22·97	32·11

The percentages of removals to hospital in the preceding year were: scarlet fever 47·0 of the total notifications, diphtheria 50·5 per cent., and enteric fever 49·3 per cent.

Reference to Table “ G ” will show as regards many areas the inadequacy, or absence, of hospital accommodation.

Disinfection.—The following information, showing the position of the County districts in regard to the provision of disinfecting apparatus, is taken from Form “ C ” supplied by local Medical Officers of Health :—

Districts provided with steam apparatus or using steam apparatus at hospitals				68
„	using steam apparatus belonging to other districts (mainly County or Municipal Boroughs)			25
„	provided with dry-heat apparatus			1
„	using dry-heat apparatus belonging to another district			1
„	without proper appliances			27

Several populous areas, as will be seen on reference to Table "G," are still unprovided with efficient means of disinfection.

Houses or rooms disinfected in 1920, after the occurrence of infectious disease, numbered 10,674.

Housing of the Working Classes.—The following tabular statement gives details, as supplied by the local Medical Officers of Health, of the action taken in regard to the inspection of dwelling-houses during the year 1920, and of the action taken to remedy the defects discovered:—

DISTRICT.	Dwelling-houses.			No. of Representations to Authority with a view to the making of Closing Orders.	No. of Closing Orders made.	Dwelling-houses.		
	Total number Inspected *	No. of Special Inspections under Sec. 17 of 1909 Act.	No. considered unfit for human habitation			No. in which defects remedied without Closing Orders.	No. made habitable after the making of Closing Orders.	No. demolished.
URBAN.								
Abram	38	38	..	..	..	..	1	..
Accrington (B.)	10	..	..	..	..	8	2	..
Adlington .....	..	..	..	..	..	..	..	..
Ashton-in-Makerfield.	217	217	..	..	..	129	..	..
Ashton-under-Lyne (B.)	367	216	3	3	3	22	..	2
Aspull	119	65	20	..	..	8	3	..
Atherton	274	..	..	..	..	109	..	..
Audenshaw	83	..	..	..	..	11	..	..
Bacup (B.)	135	135	..	..	..	..	..	..
Barrowford	20	20	..	..	..	11	..	..
Billinge	44	29	5	..	..	..	..	..
Blackrod .....	..	..	..	..	..	35	..	..
Brierfield	54	54	..	..	..	..	..	..
Carnforth .....	..	..	..	..	..	..	..	..
Chadderton .....	..	..	..	..	..	..	..	..
Chorley (B.)	60	60	..	..	..	47	..	..
Church	45	..	..	..	..	9	..	..
Clayton-le-Moors	53	53	..	..	..	..	..	..
Clitheroe (B.)	127	..	..	..	..	56	..	..
Colne (B.)	142	..	..	..	..	89	..	..
Crompton	34	34	1	..	..	12	..	..
Croston	38	25	..	..	..	..	..	..
Dalton-in-Furness ..	269	..	..	..	..	..	..	..
Darwen (B.)	157	154	52	52	..	4	..	2
Denton	4	4	..	..	..	5	..	5
Droylsden	58	13	6	6	6	57	..	1
Eccles (B.)	241	..	..	..	..	..	..	..
Failsworth	18	18	..	..	..	18	..	..
Farnworth .....	..	..	..	..	..	..	..	..
Fleetwood	31	10	10	..	..	10	..	..
Formby	14	14	14	..	..	10	..	..
Fulwood .....	..	..	..	..	..	..	..	..
Golborne	148	13	..	..	..	15	..	..
Grange-over-Sands ..	..	..	..	..	..	..	..	..

* Total as given by local Medical Officer of Health.

DISTRICT.	Dwelling-houses.			No. of Representations to Authority with a view to the making of Closing Orders.	No. of Closing Orders made.	Dwelling-houses.		
	Total number Inspected *	No. of Special Inspections under Sec. 17 of 1909 Act.	No. considered unfit for human habitation.			No. in which defects remedied without Closing Orders.	No. made habitable after the making of Closing Orders.	No. demolished.
Great Crosby	10	10	10	10	..	6	..	..
Great Harwood	44	44	3	..	..	..	..	..
Haslingden (B.) .....	..	..	1	1	1	..	..	..
Haydock	234	..	2	2	2	152	..	..
Heysham .....	..	..	..	..	..	..	..	..
Heywood (B.)	191	68	68	..	..	2	..	10
Hindley	267	240	8	8	8	232	..	2
Horwich	143	..	..	..	..	48	..	..
Hurst	407	44	..	..	..	44	..	..
L Huyton-with-Roby ..	30	30	2	..	..	2	..	..
Lance-in-Makerfield ..	265	..	..	..	..	..	..	..
Larnam	204	200	3	3	4	77	..	..
Kearsley	62	62	2	2	2	51	..	..
Kirkham	42	23	6	..	..	..	..	8
Lancaster (B.) .....	..	..	..	..	..	..	2	12
Lathom & Burscough ..	..	..	..	..	..	..	..	..
Lees .....	..	..	..	..	..	..	..	..
Leigh (B.)	175	175	..	..	..	..	..	..
Leyland	63	60	40	..	..	..	..	..
Litherland	134	134	..	..	..	..	..	..
Littleborough	103	103	..	..	..	..	..	..
Little Crosby	16	9	..	..	..	1	..	..
Little Hulton	186	..	..	..	..	..	..	..
Little Lever	73	73	11	11	8	28	..	2
Longridge .....	..	..	..	..	..	..	..	..
Lytham .....	..	..	..	..	..	..	..	..
Middleton (B.) .....	..	..	..	..	..	..	..	..
Milnrow	14	..	..	..	..	11	..	..
Morecambe (B.)	106	106	23	..	..	..	..	..
Mossley (B.) .....	..	..	..	..	..	..	..	..
Nelson (B.)	5	..	..	..	..	..	..	..
Newton-in-Makerfield ..	32	3	3	3	3	20	..	..
Norden	64	64	..	..	..	..	..	..
Ormskirk	103	..	..	..	..	..	..	..
Orrell	170	90	28	..	..	6	..	1
Oswaldtwistle	54	..	..	..	..	14	..	..
Padiham	115	13	3	3	3	..	..	..
Poulton-le-Fylde .....	..	..	..	..	..	..	..	..
Preesall .....	..	..	..	..	..	..	..	..
Prescot	102	2	1	1	1	1	..	..
Prestwich	155	155	1	1	1	..	..	..
Radcliffe	85	85	56	..	..	18	..	..
Rainford .....	..	..	..	..	..	..	..	..
Ramsbottom	28	28	..	..	..	10	..	..
Rawtenstall (B.)	23	23	4	2	..	4	..	..
Rishton	86	85	..	..	..	7	..	..
Royton	1655	..	..	10	10	3	..	..
St. Annes-on-the-Sea ..	803	..	..	..	..	765	..	..
Skelmersdale	929	210	..	..	..	38	..	..
Standish-with-Langtree .....	..	..	..	..	..	..	..	..
Stretford	20	..	..	..	..	..	..	..
Swinton and Pendlebury	643	..	..	..	..	..	..	..
Thornton	37	37	..	..	..	..	1	..

DISTRICT.	Dwelling-houses.			No. of Representations to Authority with a view to the making of Closing Orders.	No. of Closing Orders made.	Dwelling-houses.		
	Total number Inspected *	No. of Special Inspections under Sec. 17 of 1909 Act.	No. considered unfit for human habitation.			No. in which defects remedied without Closing Orders.	No. made habitable after the making of Closing Orders.	No. demolished.
Tottington .....	..	..	..	..	..	..	..	..
Trawden	146	146	25	..	..	..	..	..
Turton	65	..	..	..	..	..	..	..
Tyldesley-with-Shakerley	99	59	5	5	..	20	..	1
Ulverston	9	..	..	..	..	..	..	..
Upholland .....	..	..	..	..	..	..	..	..
Urmston	32	32	..	..	..	..	..	..
Walton-le-Dale	637	280	55	..	..	122	..	..
Wardle	33	33	..	..	..	20	..	..
Waterloo-with-Seaforth	164	24	..	..	..	24	..	..
Westhoughton	144	63	18	18	18	19	..	1
Whitefield	223	94	60	60	..	22	..	..
Whitworth	2	2	2	..	..	..	..	14
Widnes (B.)	205	..	..	..	..	..	..	..
Withnell	22	..	..	..	..	18	..	..
Worsley	361	121	87	..	..	57	..	..
Total Urban Districts.	12820	4202	638	201	70	2507	9	61
RURAL.								
Barton-upon-Irwell ..	..	..	..	..	..	..	..	..
Blackburn	15	15	..	..	..	14	..	..
Burnley	49	2	1	1	1	..	3	..
Bury	143	60	23	..	..	6	..	..
Chorley	245	20	20	1	1	..	..	..
Clitheroe	365	..	..	..	..	..	..	..
Fylde	19	19	2	2	1	1	..	1
Garstang	3	3	2	..	..	..	..	..
Lancaster .....	..	..	..	..	..	..	..	..
Leigh	195	6	12	1	1	..	..	..
Limehurst	116	89	89	..	..	..	..	2
Lunesdale	52	52	..	..	..	..	..	..
Preston	6	6	10	9	6	..	..	..
Sefton	50	50	47	..	..	34	..	..
Ulverston	78	78	..	..	..	..	..	..
Warrington	158	13	13	1	1	9	..	..
West Lancashire	426	1	1	1	..	38	..	1
Whiston	132	20	..	..	..	40	..	3
Wigan	86	20	..	..	..	5	..	..
Total Rural Districts.	2138	454	220	16	11	147	3	7
Total Administrative County (1920)	14958	4656	858	217	81	2654	12	68
Do. (1919)	22577	3893	1714	402	109	1554	65	80
Do. (1918)	4436	466	188	138	97	623	24	21
Do. (1917)	11445	601	233	178	108	941	45	56
Do. (1916)	15564	1300	329	244	163	2157	85	61
Do. (1915)	27090	4121	890	573	486	3644	296	170

TABLE I.

ADMINISTRATIVE COUNTY OF LANCASTER.

HOUSING SCHEMES OF EACH URBAN AND RURAL DISTRICT,
Shewing the position of each scheme on the 31st May, 1921.

DISTRICT.	Area.	Estimated Population, 1920.	Number of Schemes.	Area of Sites. (Acres).		No. of Lay-outs.		No. of Houses in- cluded in House Plans		No. of Houses included in Tenders.		No. of Houses.		No. of Ho erected du the year e 31st Decem 1920, by pr enterpri
				Submitted.	Approved.	Submitted.	Approved.	Submitted.	Approved.	Submitted.	Approved.	On which work has commenced	Com- pleted.	
URBAN—														
Abram.....	1,984	6,487	3	14·8	14·8	3	3	50	50	...	...	...	...	...
Accrington (B.)	3,427	45,398	1	25·0	25·0	1	1	...	...	...	...	...	...	1
Adlington	1,062	4,382	1	5·6	5·6	1	1	55	55	55	55	55	...	...
Ashton-in-Makerfield	6,251	22,110	2	32·5	32·5	2	1	80	80	80	80	73	18	1
Ashton-under-Lyne (B.)	1,345	45,437	1	30·5	30·5	1	1	86	86	...	...	...	...	4
Aspull	1,906	7,566	Nil.	...	...	...	...	...	...	...	...	...	...	...
Atherton	2,265	20,354	2	29·8	29·8	1	1	96	96	96	96	90	40	3
Audenshaw	1,241	8,164	2	10·7	10·7	2	1	50	50	...	...	...	...	9
Bacup (B.)	6,120	21,053	5	44·0	44·0	5	4	114	64	54	54	52	21	1
Barrowford	1,385	5,642	Nil.	...	...	...	...	...	...	...	...	...	..	...
Billinge	4,596	4,741	1	3·0	3·0	1	1	20	20	20	20	20	...	1
Blackrod.....	2,392	4,050	1	2·0	...	1	...	26	...	...	...	...	...	...
Brierfield	807	8,764	1	10·5	10·5	1	1	100	100	...	...	...	...	...
Carnforth	1,505	3,320	1	5·0	5·0	1	1	45	45	8	8	6	...	...
Chadderton	3,082	29,689	2	40·1	40·1	2	2	268	268	96	96	90	34	...
Chorley (B.)	3,614	32,853	2	29·7	29·7	2	2	295	295	53	47	53	...	12
Church	529	6,732	Nil.	...	...	...	...	...	...	...	...	...	...	...
Clayton-le-Moors	1,059	8,789	1	3·3	3·3	1	1	...	...	...	...	...	...	...
Clitheroe (B.)	2,385	12,451	1	8·1	8·1	1	1	100	100	20	20	14	...	...
Colne (B.)	5,063	26,876	2	15·5	4·0	1	1	56	56	56	56	30	...	3
Crompton	2,865	15,408	1	20·0	20·0	1	1	150	150	150	150	54	2	19
Croston	2,347	1,974	1	4·3	4·3	1	1	42	42	...	...	...	...	2
Dalton-in-Furness	7,990	13,441	3	22·3	22·3	2	2	26	26	...	...	...	...	1

TABLE I.—Contd.

[illegible]

TABLE I.—Contd.

DISTRICT.	Area.	Estimated Population, 1920.	Number of Schemes.	Area of Sites. (Acres.)		No. of Lay-outs.		No. of Houses in- cluded in House Plans.		No. of Houses included in Tenders.		No. of Houses.		No. of Houses erected during the year ended 31st December, 1920, by private enterprise.
				Submitted.	Approved.	Submitted.	Approved.	Submitted.	Approved.	Submitted.	Approved.	On which work has commenced	Com- pleted.	
URBAN—Contd.														
Leigh (B.)	6,359	46,239	5	32·8	32·8	5	5	267	267	222	222	149	20	8
Leyland	5,725	9,228	2	24·8	24·8	2	2	374	374	29	29	29	...	4
„ Public Utility Society	...	...	1	29·2	29·2	1	1	58	58	58	58	54	26	...
Litherland	875	17,493	1	36·2	36·2	1	1	100	100	...	...	...	...	2
Littleborough.....	7,856	11,656	1	12·9	12·9	1	1	133	133	105	105	77	...	4
Little Crosby	1,924	922	Nil.	...	...	...	...	...	...	...	...	...	...	5
Little Hulton	1,699	8,148	2	78·0	78·0	2	2	223	223	43	43	43	12	...
Little Lever	808	4,794	1	20·5	20·5	1	1	211	211	114	114	92	24	...
Longridge	3,285	4,202	Nil.	...	...	...	...	...	...	...	...	...	...	...
Lytham	2,464	10,209	2	7·1	7·1	2	2	20	...	...	...	...	...	30
Middleton (B.)	4,775	28,820	4	57·2	53·5	4	4	363	363	188	...	...	...	...
Milnrow	5,194	8,341	1	67·9	67·9	1	1	54	54	54	54	10	...	1
Morecambe (B.)	1,801	13,901	1	10·8	10·8	1	1	100	100	...	...	...	...	40
Mossley (B.)	3,624	12,814	1	15·0	6·1	1	1	64	64	...	...	...	..	...
Nelson (B.)	3,466	43,095	4	69·5	69·5	4	4	611	611	171	171	161	25	...
Newton-in-Makerfield	3,105	19,805	1	24·8	24·8	1	1	182	182	82	44	36	8	1
Norden	5,358	4,027	Nil.	...	...	...	...	...	...	...	...	...	...	...
Ormskirk	593	6,895	1	10·0	10·0	1	1	104	104	...	...	...	...	3
Orrell	1,617	6,932	1	7·7	7·7	1	1	80	80	72	72	42	...	...
Oswaldtwistle	4,885	14,942	2	3·0	3·0	2	2	34	22	6	6	6	...	...
Padiham	970	12,903	2	9·4	9·4	2	2	113	113	41	31	20	...	...
Poulton-le-Fylde	915	2,594	Nil.	...	...	...	...	...	...	...	...	...	...	5
Preesall	3,232	1,602	2	3·5	3·5	1	1	6	6	6	6	6	...	4
Prescot	409	8,925	2	69·7	69·7	2	1	112	112	112	112	112	67	...
Prestwich	2,448	15,941	3	32·8	32·8	3	3	398	398	398	398	250	72	18
Radcliffe	3,082	24,384	3	14·0	3·7	2	2	52	52	52	52	52	44	...
Rainford	5,877	3,442	2	3·7	3·7	2	2	18	18	...	...	...	...	...

TABLE I.—Contd.

DISTRICT.	Area.	Estimated Population, 1920.	Number of Schemes.	Area of Sites. (Acres.)		No. of Lay-outs.		No. of Houses in- cluded in House Plans.		No. of Houses included in Tenders.		No. of Houses.		No. of Houses erected during the year ended 31st December, 1920, by private enterprise.
				Submitted.	Approved.	Submitted.	Approved.	Submitted.	Approved.	Submitted.	Approved.	On which work has commenced	Com- pleted.	
URBAN—Contd.														
Ramsbottom	6,423	15,283	1	8.3	8.3	1	1	50	50	50	50	42	2	2
Rawtenstall (B.)	9,535	28,470	3	55.1	55.1	2	2	614	614	580	580	142	6	2
Rishton	2,985	7,597	2	4.8	3.8	2	1	36	...	...	...	...	...	2
Royton	2,147	18,250	2	54.0	54.0	2	2	193	193	193	193	30	...	...
St. Annes-on-the-Sea	3,342	9,941	1	4.8	...	1	1	12	12	12	12	6	...	54
Skelmersdale	1,942	6,678	2	6.0	1.0	1	1	10	10	...	...	...	...	...
Standish-with-Langtree	3,266	7,266	3	14.3	7.5	1	1	57	57	57	57	40	...	...
Stretford	3,240	47,419	6	65.8	65.8	6	6	792	792	544	544	443	250	40
Swinton and Pendlebury ...	2,284	29,265	2	23.7	23.7	2	2	230	230	230	230	134	8	2
Thornton	2,996	5,322	2	22.0	22.0	...	...	...	...	...	...	...	...	12
Tottington	2,544	7,035	3	13.2	13.2	1	1	56	38	42	...	...	...	4
Trawden	6,815	2,774	3	6.9	...	1	...	...	...	...	...	...	...	...
Turton	17,335	12,439	2	9.0	9.0	2	2	70	70	56	56	24	...	7
Tyldesley-with-Shakerley ...	2,490	16,226	2	19.5	19.5	2	1	26	26	26	26	24	...	5
Ulverston	3,172	10,370	1	1.8	1.8	1	1	18	18	18	18	16	2	...
Upholland	4,686	5,270	3	8.8	8.8	2	2	48	48	...	...	...	...	2
Urmston	991	8,705	1	5.0	5.0	1	1	52	52	52	52	34	...	...
Walton-le-Dale	4,658	12,111	3	34.5	34.5	3	2	132	132	...	...	...	...	5
Wardle	3,192	3,437	1	10.5	10.5	1	1	106	106	56	56	8	...	...
Waterloo-with-Seaforth	986	30,233	2	26.0	26.0	2	2	...	...	...	...	...	...	4
Westhoughton	5,560	15,781	2	46.9	46.9	2	2	302	302	252	252	200	40	1
Whitefield	1,404	7,724	2	13.0	13.0	2	2	138	138	86	86	84	32	...
Whitworth	4,483	8,568	1	2.8	2.8	1	1	24	24	...	...	...	...	...
Widnes (B.)	5,839	34,572	1	136.8	136.8	1	1	871	871	371	371	110	...	6
„ Public Utility Society	...	...	1	3.0	3.0	1	1	28	28	6	6	6	...	...
Withnell	3,705	2,956	Nil.	...	...	...	...	...	...	...	...	...	...	2
Worsley	5,413	15,025	3	38.2	38.2	3	3	356	356	202	202	132	2	...
Total Urban Districts ...	341,721	1,502,426	175	2240.3	2148.4	157	147	14,072	13,910	7,601	7,314	4,406	956	510

TABLE I.—Contd.

DISTRICT.	Area.	Estimated Population, 1920.	Number of Schemes.	Area of Sites. (Acres.)		No. of Lay-outs.		No. of Houses in- cluded in House Plans.		No. of Houses included in Tenders.		No. of Houses.		No. of Houses erected during the year ended 31st December, 1920, by private enterprise.
				Submitted.	Approved.	Submitted.	Approved.	Submitted.	Approved.	Submitted.	Approved.	On which work has commenced	Com- pleted.	
RURAL—														
Barton-upon-Irwell	6,785	9,036	3	21·9	21·9	3	3	138	138	...	...	...	...	...
Blackburn	20,150	8,462	3	9·9	9·9	3	3	80	80	80	80	80	28	9
Burnley	41,774	18,234	Nil.	...	...	...	...	...	...	...	...	...	...	5
Bury	12,016	9,047	Nil.	...	...	...	...	...	...	...	...	...	...	1
Chorley	39,988	22,585	6	30·8	30·8	6	6	156	156	109	109	78	...	11
Clitheroe	32,168	6,484	1	2·5	2·5	1	1	22	22	10	10	10	...	14
Fylde	38,541	11,473	7	1·0	1·0	4	4	6	6	6	6	4	...	34
Garstang.....	57,380	10,719	3	13·0	...	...	...	...	...	...	...	...	...	9
Lancaster	54,503	8,716	Nil.	...	...	...	...	...	...	...	...	...	...	2
Leigh	11,574	10,370	5	80·0	80·0	5	5	745	745	730	730	225	...	2
Limehurst	4,689	9,576	Nil.	...	...	...	...	...	...	...	...	...	...	1
Lunesdale	76,267	6,143	Nil.	...	...	...	...	...	...	...	...	...	...	2
Preston	52,929	19,288	9	22·9	21·4	9	3	...	...	...	...	...	...	101
Sefton	14,867	4,890	7	4·5	4·5	7	7	36	36	36	36	32	...	4
Ulverston	127,549	16,653	13	11·8	5·9	10	7	34	30	18	18	16	2	14
Warrington	18,905	11,603	2	7·3	7·3	1	1	...	...	...	...	...	...	8
West Lancashire	61,555	20,032	14	...	...	14	14	120	120	...	...	...	...	21
Whiston	28,854	19,083	9	23·5	23·5	8	7	176	54	52	38	34	...	48
Wigan	11,695	6,109	6	18·2	4·2	1	1	32	32	...	...	...	...	...
Totals :—														
Rural Districts	712,189	228,503	88	247·3	212·9	72	62	1,545	1,419	1,041	1,027	479	30	286
Urban Districts.....	341,721	1,502,426	175	2240·3	2148·4	157	147	14,072	13,910	7,601	7,314	4,406	956	510
Administrative County...	1,053,910	1,730,929	263	2487·6	2361·3	229	209	15,617	15,329	8,642	8,341	4,885	986	796

The table indicates that 858 of the houses inspected were considered unfit for habitation, but the representations to the Local Authority, with a view to the making of Closing Orders, only numbered 217. Eighty-one Closing Orders were made. In 2,654 instances defects at houses were remedied without the making of Closing Orders. In the district health reports frequent reference is made to overcrowding, and to the fact that houses not fit for habitation continue to be occupied owing to the difficulty of finding other houses.

HOUSING SCHEMES.—Table “I,” here inserted, shows the position on the 31st May, 1921, of each urban and rural district in the County area in regard to its housing scheme. Seventeen districts had not formulated any housing scheme; in 105 districts the number of schemes submitted was 263, embracing 2,500 acres, on which it was proposed to erect 15,617 houses. Tenders have been approved for 8,341 houses, and, at the date above mentioned, 986 houses had been completed and work had commenced on 4,885 other dwellings.

By private enterprise 796 houses were erected during the year ended 31st December, 1920.

In August, 1919, a circular was addressed to County Councils asking County Medical Officers of Health to perform certain duties in connection with housing schemes submitted to the Ministry by Local Authorities, and in this connection the District Housing Commissioner referred to the County Medical Officer of Health the Forms of Survey (D. 89) submitted by the Local Authorities in the Administrative County area, requesting his opinion as to the adequacy or otherwise of these schemes.

The scheme of each Local Authority was investigated by the Medical and Sanitary Staff of the County Public Health Department, and reports were submitted to the Housing Commissioner.

Nuisances.—The following totals, collated from the local health reports, show the number of nuisances abated in the year 1920 and preceding years :—

1920	.....	43,018
1919	.....	36,957
1918	.....	24,008
1917	.....	27,144

The number of notices served was :—

1920	.....	27,237
1919	.....	24,252
1918	.....	15,135
1917	.....	17,506

Closet Accommodation.—The figures below, which have been taken from district health reports, show approximately the number of each type of closet accommodation in the County area :—

Privy middens	...	...	...	...	49,857
„ closets	...	...	...	...	69,399
Pail closets	...	...	...	...	48,980
Water closets	...	...	...	...	202,300
Waste-water closets	...	...	...	...	92,179
Ashpits (excluding middens)	...	...	...	...	83,421
Portable receptacles	...	...	...	...	167,085

Conversions of privy closets and pail closets during 1920 and the four preceding years are shown below :—

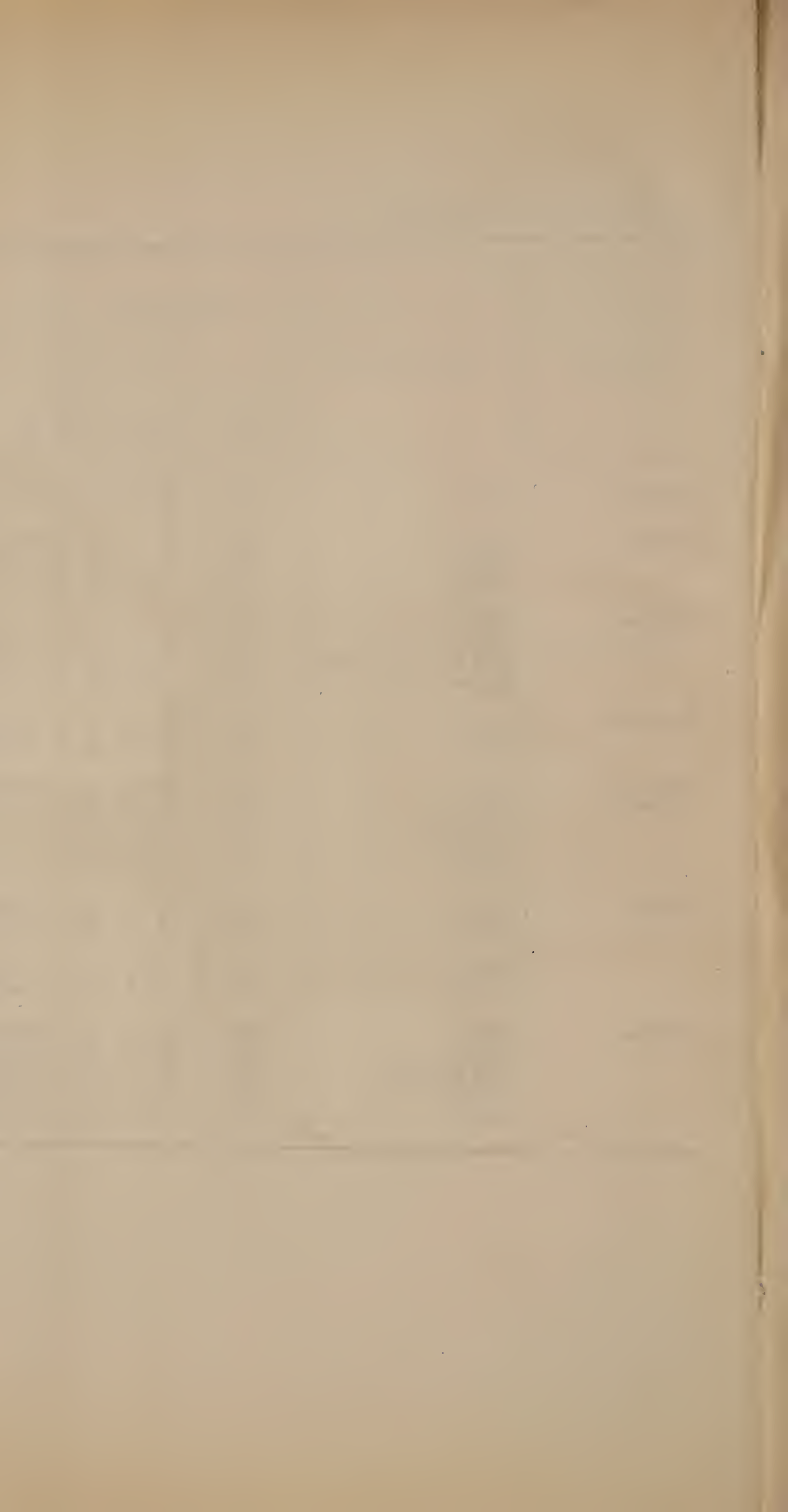
	1920.	1919.	1918.	1917.	1916.
Privies converted to					
water closets	1585	518	137	324	800
Privies converted to					
pail closets	160	57	18	76	86
Pail closets converted					
to water closets	588	194	42	148	272

Table “ J,” here inserted, shows the position as regards closet accommodation of each sanitary district.

TABLE J.—SUMMARY OF SANITARY WORK CARRIED OUT DURING 1920.

DISTRICT.	Refuse Destructors provided.	CANAL BOATS.		Public Abattoirs provided.	DAIRIES, COWSHEDS, &c.				NUISANCES.				CLOSET ACCOMMODATION.														SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND INSPECTOR OF NUISANCES (1920), WITH SALARIES. (a) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Ministry of Health (including the approved War Bonus) as shown on the last claim for repayment.	
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any arrangement for Veterinary Inspection of Cows.	Samples of Milk examined for Tubercle.	Notices served.		Nuisances abated.	Legal Proceedings and Result.	Privy Middens.		No. of Pail Closets.	No. of Ashpits (excluding middens).	No. of Fresh Water Closets.	No. of Portable Receptacles for refuse.	No. of Waste Water Closets.	Conversions during 1920.						Council's Contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.		
									Informal.	Statutory.			No. of Middens.	No. of Closets.						Privy Closets to Fresh W. C's.	Privy Closets to Waste W. C's.	Privy Closets to Pails, &c.	Pail Closets to Fresh W. C's.	Pail Closets to Waste W. C's.	Waste W. C's. to Fresh W. C's.					
Abram.....	..	34	5	..	20	..	..	50	31	260	..	528	821	25	157	465	53	..	4	..	..	..	..	..	Half-cost	6	..	M.O. A. O. Bentham, £60 I. W. H. Roby, £130
Accrington (B.)	Yes	..	..	Yes	40	14	Yes	183	22	205	..	28	28	960	5000	1290	1732	9244	..	..	..	17	..	1	£6 per closet	..	..	M.O. A. Greenhalgh, £150 I. R. Diggle, £333
Adlington .....	..	..	..	..	14	..	..	20	..	20	..	461	461	5	36	449	344	30	5	..	..	..	..	..	Water free	..	..	M.O. W. C. Rigby, £60 I. R. Edge, £100
Ashton-in-Makerfield	34	6	When required	339	200	1337	3748	2950	503	136	25	M.O. H. Winstanley, £277 I. D. Gamble, £398 7s. 6d.	
Ashton-under-Lyne (B.) ..	*Yes	2	89	Yes	387	60	857	360	3107	5950	8025	M.O. J. W. Talent, £490 I. W. C. Morris (a)	
Aspull .....	..	..	..	..	19	..	..	50	41	91	..	360	746	4	60	538	405	1	44	..	..	2	..	..	Connection to sewer	..	..	M.O. L. Cooke, £110 I. H. Gibson, £126 18s. 0d.
Atherton	Yes	..	..	..	21	11	..	72	77	588	..	55	84	5	1128	2344	1445	1415	..	..	..	..	..	..	Connection to sewer.	14	..	M.O. J. Marsh, £162 I. K. Jepson, £306
Audenshaw .....	..	..	..	..	11	2	..	290	2	243	..	5	7	55	213	670	1316	1416	5	5	1	..	..	2	Main drain laid	..	..	M.O. D. H. Cheetham (a) I. H. M. Doxey (W. Clough to 21st Sept, 1920), £199 16s. 3d.
Bacup (B.) .....	..	..	..	..	119	..	When required	396	33	365	..	12	12	2106	148	1754	4567	447	..	..	5	57	..	1	£4 per closet	..	..	M.O. J. P. Brown, £190 I. A. E. Barnes, £300
Barrowford.....	35	24	..	37	..	31	31	20	784	176	297	831	M.O. A. E. Sellar, £55. I. F. Sutcliffe, £108 4s. 0d.	
Billinge	39	6	23	17	..	406	602	10	63	55	1	M.O. R. O. Mather, £60 I. R. Powell, £60	
Blackrod	33	47	..	47	..	370	370	23	264	367	342	..	1	18	..	M.O. J. W. Unsworth, £45 I. A. Connor (J. R. Orrell to 30th June, 1920), £140	
Brierfield	9	9	1	..	79	..	252	..	30	41	50	1580	413	440	1693	M.O. J. S. Wilson, £65 I. B. Halstead, £228 12s. 9d.	
Carnforth	14	1	215	215	3	552	496	..	53	20	M.O. E. S. Jackson, £20 I. U. D. Preston (W. Guest to 30th June, 1920), £150	
Chadderton	Yes	4	..	..	48	38	Yes	467	2	400	..	..	..	1876	Not known	1544	Not known	3187	..	..	..	10	34	..	Half-cost	10	..	M.O. J. Wood, £362 10s. I. A. Ashworth, £350
Chorley (B.)	Yes	..	..	Yes	54	7	Yes	856	7	2900	..	59	59	39	..	7113	6915	989	..	..	..	..	..	..	Half-cost	6	..	M.O. H. E. Middlebrooke (J. A. Harris, to 31st March, 1920), £400 I. W. Heaps, £324
Church .....	..	..	..	..	5	..	..	119	..	130	..	8	8	146	791	269	280	1498	..	..	..	8	..	..	Pedestal, seat, and cistern provided	7	..	M.O. J. Craig, £70 5s. 0d. I. F. Howarth, £146 2s. 8d.
Clayton-le-Moors	8	54	2	97	20	1710	87	351	1954	4	M.O. L. Tattersall, £80 I. J. P. Dixon, £145	
Clitheroe (B.)	Yes	30	85	5	156	..	5	8	1018	14	920	2900	1532	M.O. W. E. Barker, £60 I. J. Bolton, £160
Colne (B.)	Yes	Yes	93	6	Occa- sionally	412	146	469	..	2	2	384	4395	1331	950	4482	Half-cost	120	M.O. W. Doyle, £150 I. H. Barrett, £208	

* Closed since June, 1916.



DISTRICT.	Refuse Destructors provided.	CANAL BOATS.		Public Abattoirs provided.	DAIRIES, COWSHEDS, &c.				NUISANCES.				CLOSET ACCOMMODATION.														SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND INSPECTOR OF NUISANCES (1920), WITH SALARIES. (a) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Ministry of Health (including the approved War Bonus) as shown on the last claim for repayment.
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any arrangement for Veterinary Inspection of Cows.	Samples of Milk examined for Tubercle.	Notices served.		Nuisances abated.	Legal Proceedings and Result.	Privy Middens.		No. of Pail Closets.	No. of Ashpits (excluding middens).	No. of Fresh Water Closets.	No. of Portable Receptacles for refuse.	No. of Waste Water Closets.	Conversions during 1920.						Council's Contribution towards cost of Conversion.	Number.	Legal Proceedings and Result.	
									Informal.	Statutory.			No. of Middens.	No. of Closets.						Privy Closets to Fresh W. C's.	Privy Closets to Waste W. C's.	Privy Closets to Pails, &c.	Pail Closets to Fresh W. C's.	Pail Closets to Waste W. C's.	Waste W. C's. to Fresh W. C's.				
Crompton	Yes	..	..	..	43	15	..	..	220	92	384	..	30 and 5 Cess-pools	30	2497	63	983	2978	280	..	..	..	107	..	1	£4 per closet	30	..	M.O. A. V. Davies, £140 I. F. Taylor, £270
Croston .....	..	..	..	..	30	..	..	..	2	..	2	..	290	290	134	134	32	40	2	1	..	1	..	..	..	..	..	..	M.O. A. Duckworth, £20 I. T. W. Noblet, £65
Dalton-in-Furness .....	..	..	..	..	54	2	When required	..	198	72	270	..	374	406	15	878	2111	873	51	21	..	..	..	..	..	..	1	..	M.O. G. H. Patterson, £200 I. W. E. Caine, £212
Darwen (B.)	Yes	..	..	Yes	103	4	When required	..	736	389	786	..	..	..	1729	12	6458	10450	2471	..	..	..	30	..	4	Half-cost of pail conversion	116	1—Order to abate.	M.O. F. G. Haworth, £600 I. C. R. Walsh, £282 I. W. E. Marsden, £269 12s.
Denton .....	..	..	..	..	24	38	Yes	..	164	9	448	..	146	296	27	339	4040	3516	655	32	..	..	..	..	6	..	..	..	M.O. W. Stewart, £100 I. A. C. Brocklehurst, £339
Droylsden	Yes	..	..	..	12	27	When required	..	274	37	1229	1—To pay costs	86	169	10	126	3567	2766	37	152	..	..	8	..	2	..	30	..	M.O. F. G. P. Ilderton, £96 I. F. Schofield, £300
Eccles (B.)	Yes	40	11	..	8	72	Yes	..	1844	1046	2890	4—Orders made and to pay costs.	9	12	26	14	11875	10241	229	1	..	..	..	..	4	£1 5s. per closet	29	1—Fined 10s.	M.O. W. M. Hamilton, £390 18s. 11d. I. C. W. Laskey, £456 19s. 6d.
Failsworth .....	..	..	..	..	12	14	..	..	178	95	545	..	72	128	1076	241	3035	3142	191	4	..	..	10	..	..	Pails—Whole cost Privies—Half-cost £4 10s. per closet	29	..	M.O. G. B. Brown, £100 I. J. A. James, £294 15s. 6d
Farnworth .....	..	..	..	..	15	3	Yes	1	112	75	719	..	1370	2542	2	1231	3147	1245	598	176	..	..	..	..	..	..	12	..	M.O. A. Kershaw, £133 6s. 8d I. J. Marshall, £166 0s. 6d.
Fleetwood	*Yes	..	..	Yes	12	32	..	..	147	13	457	..	..	..	36	78	3259	3381	32	..	..	..	..	..	..	..	3	..	M.O. D. M. Gill, £200 (Including £50 for the Port)
Formby .....	..	..	..	..	7	..	..	..	..	..	..	..	145	100	369	445	..	496	..	..	..	6	..	..	..	..	..	..	I. G. Pilkington, £310 M.O. F. Carter, £50 I. T. B. Simmons (T. Grime to 10th May, 1920) £200
Fulwood .....	..	..	..	..	35	3	..	..	..	..	..	..	21	21	22	22	2210	958	7	3	..	..	..	..	..	..	..	..	M.O. J. Garth, £50 I. A. E. Coupe, £100
Golborne .....	..	..	..	..	16	6	..	..	104	5	94	..	424	1033	8	63	370	125	18	5	..	..	..	..	..	..	..	..	M.O. J. Dobb, £70 I. W. Pasquill, £102 1s. 5d.
Grange-over-Sands .....	..	..	..	..	9	1	When required	..	6	1	6	..	12	12	3	210	518	260	..	..	..	..	..	..	..	..	..	..	M.O. G. H. Patterson, £60 I. T. Huddleston, £125
Great Crosby .....	..	..	..	..	18	1	When required	2	141	64	205	..	21	21	5	..	5046	3142	..	..	..	..	..	..	..	By Agreement	5	..	M.O. J. Huskie, £130 I. J. Almond (S. Wilson, to 28th Feb., 1920) £220
Great Harwood .....	..	..	..	Yes	27	1	..	..	24	..	327	..	..	Tanks 120	66	2400	420	800	2736	..	..	..	..	..	..	Half-cost	..	..	M.O. J. Patchett, £100 I. A. Eddleston, £252 19s. 9d.
Haslingden (B.)	Yes	..	..	..	80	2	When required	..	125	16	254	..	17	18	1097	1050	427	2600	2406	5	..	..	..	..	..	£2 per closet	4	..	M.O. W. R. A. Coates, £75 I. R. Austin, £310
Haydock .....	..	..	..	..	17	1	..	..	217	8	427	..	1389	1564	3	..	340	340	..	27	..	..	..	..	..	..	..	..	M.O. A. Dowling, £111 14s. 0d. I. J. Evans, £192 8s. 0d.
Heysham .....	..	..	..	..	18	..	..	..	8	8	..	..	58	78	4	..	898	1080	19	10	..	..	..	..	1	..	..	..	M.O. R. Herd, £50 I. H. Miller, £192
Heywood (B.)	Yes	53	1	..	36	5	Yes	..	283	27	290	..	686	1373	361	1030	1608	2428	2925	27	..	..	6	..	14	..	121	1—With-drawn on payment of £1 costs.	M.O. H. H. I. Hitchon, £135 I. J. E. Cropper (T. Robinson to 9th Jan., 1920) £325

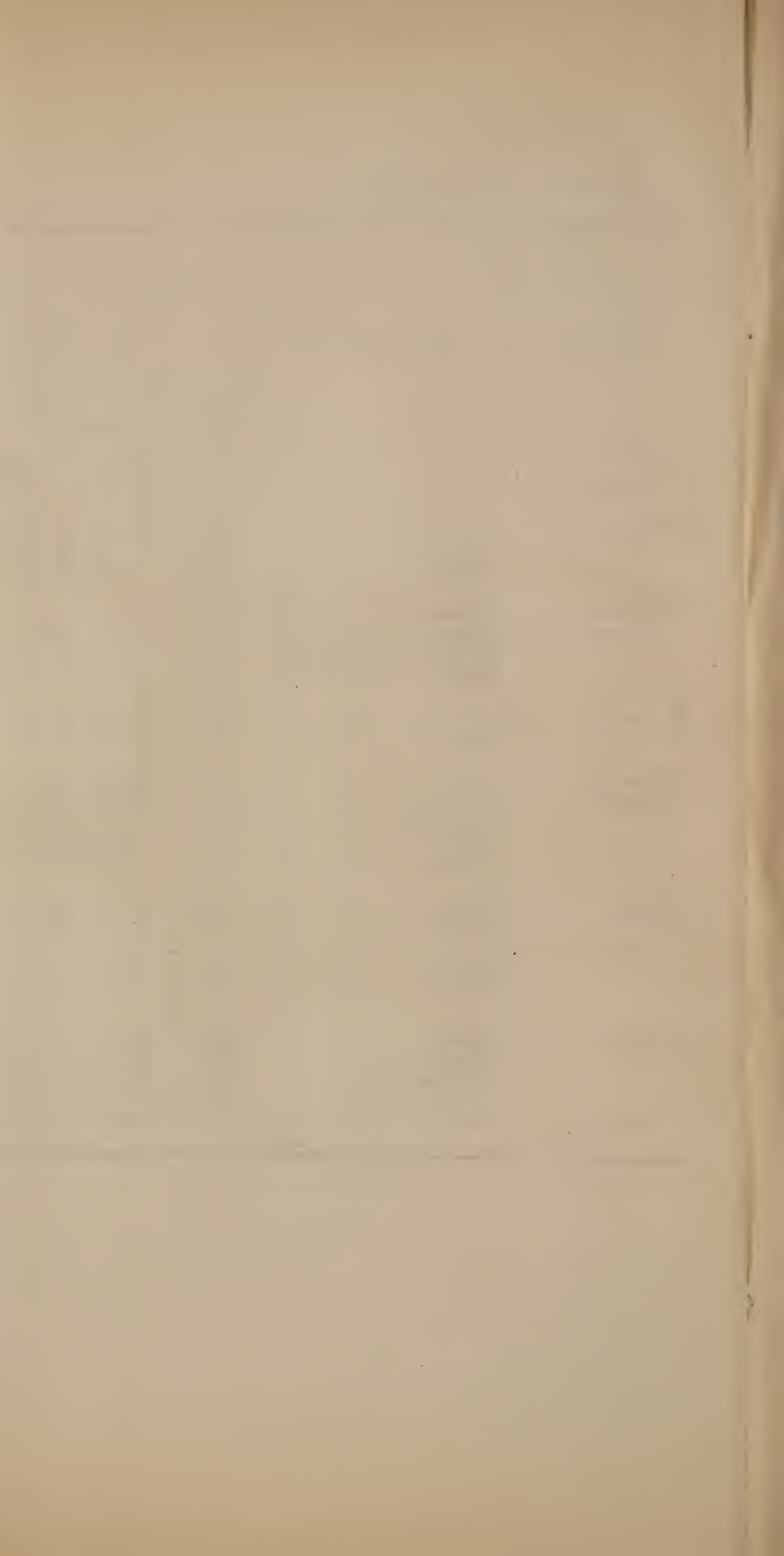
* Closed at present.

DISTRICT.	Refuse Destructors provided.	CANAL BOATS.		Public Abattoirs provided.	DAIRIES, COWSHEDS, &C.				NUISANCES.				CLOSET ACCOMMODATION.														SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND INSPECTOR OF NUISANCES (1920), WITH SALARIES. (a) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Ministry of Health (including the approved War Bonus) as shown on the last claim for repayment.		
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									Informal.	Statutory.			No. of Middens.	No. of Closets.						Privy Closets to Fresh W. C's.	Privy Closets to Waste W. C's.	Privy Closets to Pails, &c.	Pail Closets to Fresh W. C's.	Pail Closets to Waste W. C's.	Waste W. C's. to Fresh W. C's.						
Hindley	29	3	When required	..	216	152	1018	..	1220	2188	900	52	1562	2244	19	22	..	..	..	..	..	Connection to sewer and supplies water	..	..	M.O. A. Gilmour (J. Chronnell to 10th March, 1920), £250		
Horwich	35	15	..	..	104	16	468	..	61	61	94	1272	2749	1185	1243	..	..	..	..	..	1	Privies—Half-cost Pails—Whole cost	24	..	I. T. France, £374 M.O. J. S. Sewell, £125		
Hurst	5	6	When required	..	44	..	44	..	19	30	1	534	328	388	1801	4	19	..	4	..	..	£2 per closet	72	..	I. J. H. Brocklehurst, £383 14s. 0d. M.O. G. F. Bowman, £92.		
Huyton-with-Roby	11	..	..	..	51	3	52	..	345	345	76	40	671	260	..	..	..	..	..	..	..	..	..	..	I. S. Shirt, £227 16s. 0d. M.O. A. W. McDonald, £50		
Ince-in-Makerfield	27	3	..	7	8	..	..	926	11	937	..	1009	2066	54	56	1414	977	..	..	..	..	..	..	..	..	..	..	M.O. J. H. Fletcher, £180		
Irlam	4	3	..	4	70	9	62	..	775	830	90	443	1271	973	50	6	..	..	..	..	..	..	2	..	I. W. Thorpe, £326 0s 6d. M.O. J. W. Roberts, £110 17s. 7d.		
Kearsley	5	..	..	..	25	1	138	..	665	1246	49	203	757	459	152	148	..	..	5	..	..	Half-cost	..	..	I. R. H. Winterbottom, £250 M.O. J. Affleck, £106 13s. 4d.		
Kirkham	9	..	..	..	64	4	78	..	177	324	16	46	595	369	28	29	..	..	1	..	..	..	12	..	I. E. Shaw (G. Walsh to 30th April, 1920) £238 9s. 6d. M.O. C. Court, £45		
Lancaster (B.)	Yes	18	..	Yes	26	84	..	..	1065	571	1991	..	25	25	67	4771	12156	2330	..	..	..	..	..	..	..	..	..	..	..	I. J. R. Holmes, £90 M.O. J. D. Buchanan, £505 (Including £20 for the Port)
Lathom and Burscough	10	..	..	7	..	..	..	11	9	45	..	790	1190	26	200	310	100	12	8	..	..	..	..	..	..	..	..	..	I. F. W. Smith, £271 (Including £20 for the Port) M.O. J. G. Laing, £75	
Lees	2	..	..	..	18	2	11	..	1	..	846	200	285	593	68	..	..	..	..	..	..	..	..	..	..	I. T. Burrows, £170 M.O. J. Currie, £60	
Leigh (B.)	Yes	24	..	..	55	9	Yes	..	475	43	449	..	210	420	5	3868	7808	1160	853	..	..	..	..	..	..	One-third cost	49	..	..	I. J. W. Liversage (a) M.O. J. C. Beckitt, £250
Leyland	18	1	..	..	72	1	72	..	809	809	488	162	802	720	10	1	..	1	..	..	..	..	6	..	..	I. E. Jackson, £372 M.O. C. M. Willmott, £60	
Litherland	9	8	..	..	462	4	511	..	15	22	7	1785	3235	1446	..	..	..	..	..	..	..	..	3	..	..	I. H. Cheetham £160 M.O. T. D. Williams, £100	
Littleborough.....	..	40	..	..	72	1	..	..	52	4	329	..	..	..	1601	1787	462	80	395	..	..	..	22	..	..	..	80	..	..	I. G. Ponsford (W. H. Elce to 5th July, 1920) £100 M.O. J. T. R. MacGill, £67
Little Crosby	2	3	2	..	2	..	51	45	5	..	261	6	I. H. C. Williamson, £255 17s. 6d. M.O. E. Buxton, £40
Little Hulton	14	2	..	..	..	..	..	..	563	1096	..	407	538	135	129	..	..	..	..	..	..	..	5	..	..	I. T. Massam (a) M.O. J. H. Marsh, £80	
Little Lever	20	4	..	9	9	77	11	70	..	360	716	21	54	241	153	114	12	2	I. J. T. Davies, £285 8s. 11d. M.O. J. S. Pickford, £45
																														I. J. H. Crosby (J. Seddon to 16th Feby., 1920) £217 16s. 2d.	

DISTRICT.	Refuse Destructors provided.	CANAL BOATS.		Public Abattoirs provided.	DAIRIES, COWSHEDS, &C.				NUISANCES.				CLOSET ACCOMMODATION.														SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND INSPECTOR OF NUISANCES (1920), WITH SALARIES. (a) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Ministry of Health (including the approved War Bonus) as shown on the last claim for repayment.			
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									Informal.	Statutory.			No. of Middens.	No. of Closets.						Privy Closets to Fresh W. C's.	Privy Closets to Waste W. C's.	Privy Closets to Pails, &c.	Pail Closets to Fresh W. C's.	Pail Closets to Waste W. C's.	Waste W. C's. to Fresh W. C's.							
Longridge .....	..	..	..	..	17	2	..	..	40	..	40	..	13	13	31	82	493	726	400	..	..	..	..	..	..	..	..	..	..	..	M.O. G. Jukes, £50 I. J. Marshall, £100
Lytham	Yes	..	..	Yes	18	15	When required	..	102	..	195	..	..	..	10	57	2351	2294	6	..	..	..	..	..	..	..	..	..	..	..	M.O. J. C. Fisher, £150 (G. Barlow acting) I. H. Yates, £320
Middleton (B.)	Yes	28	..	..	52	10	..	..	420	20	393	..	1	1	402	1767	2250	1457	3640	..	..	..	22	1	..	Half-cost	73	11—All convicted, fines £7 10s 0d. costs £3 13s. 0d.	..	M.O. A. Ball, £537 13s. 7d. I. C. H. Norton, £342 5s. 1d	
Milnrow .....	..	..	..	..	74	..	..	..	90	1	305	1—To pay costs	90	98	1270	170	272	833	78	..	..	..	11	..	..	..	..	2	..	..	M.O. J. Chadwick, £60 I. T. Warrington, £215
Mcrecambe (B.)	Yes	..	..	..	17	47	Yes	..	57	36	57	..	163	200	..	4000	4400	Not known	30	27	..	..	..	..	..	..	..	..	..	..	M.O. J. W. Watterson (a) I. T. B. Lamb (a).
Mossley (B.) .....	..	..	..	..	18	..	..	..	81	1	71	..	3	3	2873	1055	288	359	152	..	..	..	..	..	..	Each case considered	..	..	..	..	M.O. J. Healey, £140 I. E. Slater (a)
Nelson (B.)	Yes	..	..	..	36	48	Yes	..	79	17	139	..	..	..	4	7310	2291	2553	8386	..	..	..	..	..	5	..	22	..	..	..	M.O. R. G. Markham, £452 5s. 0d. I. J. W. Ingham, £342 5s. 1d.
Newton-in-Makerfield .....	..	..	..	Yes	18	10	..	..	324	121	802	3—To pay costs	283	417	2689	102	837	3256	30	28	..	..	21	..	..	Pails—£2 10s. 0d. Privies—£5 0s. 0d.	..	..	..	..	M.O. H. E. Watkins, £162 I. H. Ashcroft, £294
Norden .....	..	..	..	..	119	..	..	..	3	..	3	..	88	88	674	151	186	241	12	..	..	2	14	..	..	..	13	..	..	..	M.O. W. H. Bateman, £40 I. J. W. Sunderland, £186 12s. 0d.
Ormskirk	Yes	..	..	..	4	1	..	..	59	9	95	..	328	401	45	165	1035	622	7	47	..	3	2	..	..	Average £5 per closet	10	..	..	..	M.O. G. E. Scholefield, £100 I. H. W. Chadwick, £185
Orrell .....	..	..	..	..	14	7	..	..	28	10	117	..	454	938	..	..	378	314	8	1	..	..	..	..	..	..	..	..	..	..	M.O. K. Fraser, £100 I. J. Farrimond, £100
Oswaldtwistle	Yes	72	1	127	21	162	..	177	292	402	1256	355	807	2456	14	2	7	10	M.O. A. E. Townley, £130 I. J. Alderson, £346
Padiham	Yes	10	23	179	16	357	1417	27	516	2939	1558	7	..	1	..	8	M.O. N. Dharmavir, £155 8s. I. F. W. Mortimer (E. Shaw to 12th July, 1920), £200
Poulton-le-Fylde	18	24	..	24	..	89	89	5	206	545	364	11	9	M.O. W. A. Riddell, £33 I. J. T. Proffitt (J. B. Moss to 18th Aug., 1920), £60
Preesall	23	12	..	12	..	268	268	126	52	93	32	M.O. S. A. Nield-Faulkner (D. R. Pike to 31st Jan., 1920), £30
Prescot	3	9	93	..	82	..	503	808	14	234	1018	550	..	7	Pedestal and fittings	I. G. W. Proffitt, £58 M.O. S. M. Green, £115
Prestwich	11	11	297	63	314	..	128	187	105	557	4332	2802	223	15	..	1	8	I. R. Norris, £220 M.O. F. Stephenson, £175
Radcliffe	Yes	20	22	237	47	677	..	1011	1883	260	909	2635	1849	1642	15	2	..	112	1—Order to abate; fined £3 3s. and costs	M.O. W. Windsor, £300 I. D. P. M. Farquharson, £150 I. W. Holt, £240



DISTRICT.	Refuse Destructors provided.	CANAL BOATS.		Public Abattoirs provided.	DAIRIES, COWSHEDS, &C.				NUISANCES.				CLOSET ACCOMMODATION.														SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND INSPECTOR OF NUISANCES (1920), WITH SALARIES. (a) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Ministry of Health (including the approved War Bonus; as shown on the last claim for repayment.						
		No. Inspected.	No. of Infringements.		No. of Cowkeepers.	No. of Dairymen or Purveyors.	Any arrangement for Veterinary Inspection of Cows.	Samples of Milk examined for Tubercle.	Notices served.		Nuisances abated.	Legal Proceedings and Result.	Privy Middens.		No. of Pail Closets.	No. of Ashpits (excluding middens).	No. of Fresh Water Closets.	No. of Portable Receptacles for refuse.	No. of Waste Water Closets.	Conversions during 1920.								Council's Contribution towards cost of Conversion.		Number.	Legal Proceedings and Result.				
									Informal.	Statutory.			No. of Middens.	No. of Closets.						Privy Closets to Fresh W. C's.	Privy Closets to Waste W. C's.	Privy Closets to Pails, &c.	Pail Closets to Fresh W. C's.	Pail Closets to Waste W. C's.	Waste W. C's. to Fresh W. C's.										
Rainford .....	..	..	..	..	22	1	..	..	16	1	17	..	700	680	8	8	46	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	M.O. F. Prosser, £30
Ramsbottom	Yes	..	..	..	68	2	..	..	86	19	701	..	184	359	617	914	1396	905	1457	1	..	1	..	1	..	..	7	..	..	..	..	..	I. B. Smith (a)
Rawtenstall (B.) .....	..	..	..	..	245	1	..	..	518	..	462	..	45	45	550	630	2253	5000	5858	2	3	..	10	..	..	..	..	..	..	..	..	..	M.O. H. Lawrie, £110
Rishton .....	..	..	..	..	34	1	When required	..	100	..	100	..	3	3	29	935	286	118	1589	..	..	..	..	..	..	..	..	..	..	..	..	..	I. G. A. Shaw, £313 9s. 6d.
Royton	Yes	..	..	..	24	5	Yes.	..	222	50	332	..	2	2	2550	610	750	1940	946	2	..	..	51	..	..	..	..	..	..	..	..	..	M.O. J. E. Helm, £290
St. Annes-on-the-Sea	Yes	..	..	Yes	18	6	Yes	18	212	4	229	..	..	19	48	..	4695	2447	21	..	..	..	..	..	..	..	..	..	..	..	..	..	I. W. E. Hoyle, £300
Skelmersdale .....	..	..	..	..	5	1	..	..	20	..	100	..	705	1117	21	56	263	..	..	14	..	..	..	..	..	..	..	..	..	..	..	..	M.O. J. Barr, £66 13s. 4d
Standish with-Langtree ..	..	..	..	..	27	2	..	..	57	..	47	..	478	994	25	53	273	30	1	1	..	..	1	..	..	..	..	..	..	..	..	..	I. J. Cornall, £153 11s. 0d.
Stretford	Yes	..	..	..	8	140	..	..	456	74	1053	..	1	1	182	1658	13986	7804	294	..	..	..	..	..	..	37	..	..	..	..	..	..	M.O. W. L. Bentley (R. Young to 19th Feb., 1920), £140
Swinton and Pendlebury	Yes	17	24	880	212	1748	..	754	1322	67	300	5358	4793	78	42	1	..	1	I. J. Butterfield, £247	
Thornton	50	5	15	12	27	..	76	76	280	184	823	869	21	1	5	M.O. J. Tennant, £100	
Tottington	50	15	76	..	526	1040	196	190	483	294	134	8	..	2	I. W. E. Procter, £350 5s. 6d.	
Trawden	85	..	When required	..	4	1	5	309	323	116	65	237	4	4	..	4	4	M.O. V. O'Reilly, £105 15s.	
Turton	178	2	142	8	137	..	763	763	88	1155	822	135	1154	43	..	40	I. E. Huntingtion, £141	
Tyldesley-with-Shakerley	20	4	265	35	298	..	196	475	9	944	2093	670	582	20	M.O. G. H. Ormsby, £55	
Ulverston	20	3	When required	..	89	11	64	..	107	216	4	600	2018	1480	..	1	I. A. Clough, £135
Upholland	41	4	97	4	80	..	350	580	..	15	165	13	..	11	M.O. W. J. Heslop, £289 10s. 5d.	
Urmston	7	8	Yes	..	16	65	147	..	47	68	..	79	1954	1909	77	I. E. Nuttall, £537 13s. 7d.
Walton-le-Dale	44	1	611	155	712	..	130	220	954	803	1328	1698	325	35	..	4	17	..	2	M.O. W. S. Stalker, £300
Wardle	51	8	5	13	1 Conviction	120	205	238	..	331	356	108	I. A. Bleakley, £271 14s.
Waterloo-with-Seaforth	19	17	Yes	24	901	229	3663	19 Ashbins supplied by Council in default of compliance with notices	10	1143	10120	4865	M.O. F. S. Rhodes, £100



DISTRICT.	Refuse Destructors provided.	CANAL BOATS.		Public Abattoirs provided.	DAIRIES, COWSHEDS, &c.				NUISANCES.				CLOSET ACCOMMODATION.														SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND INSPECTOR OF NUISANCES (1920), WITH SALARIES. (a) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Ministry of Health (including the approved War Bonus) as shown on the last claim for repayment.			
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									Informal.	Statutory.			No. of Middens.	No. of Closets.						Privy Closets to Fresh W. C's.	Privy Closets to Waste W. C's.	Privy Closets to Pails, &c.	Pail Closets to Fresh W. C's.	Pail Closets to Waste W. C's.	Waste W. C's. to Fresh W. C's.							
Westhoughton	64	..	..	..	49	58	77	..	1374	2131	2	294	881	390	117	45	..	..	..	..	..	Half-cost	1	..	M.O. W. H. Leigh, £86 I. F. J. A. Green, £356			
Whitefield	9	18	Yes	..	125	20	242	..	393	644	67	215	762	467	163	14	..	..	1	..	1	..	11	..	M.O. A. J. Young, £60 I. C. Whiteley £311 14s.			
Whitworth	18	39	..	..	54	..	201	..	..	..	1384	649	347	682	200	..	..	..	60	..	..	Each case considered Half-cost	3	..	M.O. T. J. L. Forbes, £80 I. J. J. Cordingley, £260			
Widnes (B.)	Yes	12	4	..	8	29	Yes	..	482	71	1476	..	1050	1050	..	281	4835	6046	1492	199	..	..	..	..	2	..	..	..	M.O. A. Jones, £476 I. W. Lowe, £390 18s. 11d.	
Withnell	26	6	..	..	19	..	19	..	16	37	527	360	156	210	50	..	..	6	2	..	..	..	6	..	..	M.O. S. W. Maclean, £33 6s. 8d. I. A. Penney, £90		
Worsley	64	8	..	22	2	..	..	211	24	225	..	2071	2115	6	460	1381	1004	50	10	..	..	..	..	..	..	20	..	..	M.O. R. Sayers, £110 I. J. Willcock, £319 10s. 9d.	
TOTAL URBAN DISTRICTS	28	383	36	12	3267	1081	32	49	20360	4884	40177	10	28515	42969	40831	75380	191876	159045	87946	1396	33	80	516	39	95	..	1390	15				
RURAL.																																
Barton-upon-Irwell	23	31	..	..	103	82	248	..	440	480	200	50	1450	1020	12	37	..	..	..	..	..	..	19	..	..	M.O. D. W. Davidson, £100 I. R. G. Child, £250		
Blackburn	142	..	..	..	184	..	217	..	63	63 Tanks	1032	..	918	300	81	..	..	2	1	..	..	..	21	..	..	M.O. W. R. Pollard, £100 I. H. Eccleston, £275		
Burnley	450	1	When required	..	130	12	169	..	..	762	813	2350	612	1686	2580	..	..	9	8	..	..	..	..	..	..	M.O. H. J. Robinson, £200 I. J. Laycock, £287 17s. 6d.		
Bury	13	..	..	91	2	..	..	50	3	120	..	609	1232	181	257	577	236	100	48	..	..	4	..	1	..	10	..	..	M.O. J. W. Cook, £142 10s. I. H. Hurst, £197 10s.	
Chorley	129	..	..	..	164	16	358	..	3520	3520	320	50	458	500	35	5	..	..	8	..	..	..	5	..	..	M.O. J. A. Harris, £150 I. H. F. Froes, £367 17s. 6d.		
Clitheroe	58	1	..	..	29	1	25	..	764	764	249	Not known	398	Not known	320	4	..	5	..	..	..	..	..	..	..	M.O. J. M. Postlethwaite, £75 I. W. H. Jackson, £158 8s.		
Fylde	283	11	..	..	92	6	104	..	1500	1810	140	501	687	557	16	2	..	..	..	..	..	..	..	..	..	M.O. C. Court, £90 I. J. Jolly, £200		
Garstang	24	..	..	48	2	..	..	..	..	..	..	477	474	877	564	357	489	..	3	..	2	..	..	..	..	..	..	..	M.O. W. L. Armstrong (B. C. Broomhall to 30th June, 1920) £129 16s. I. J. Cook, £285	
Lancaster	21	4	..	88	4	..	..	164	27	194	..	582	1068	201	378	829	123	16	9	..	7	..	..	..	..	..	..	..	M.O. W. Edmondson, £85 I. J. Littlefair, £220	
Leigh	21	3	..	120	2	..	..	116	29	213	..	900	1684	75	200	256	40	2	2	..	..	..	..	..	..	..	..	..	M.O. L. Tong, £130 I. J. Monks, £250	
Limehurst	93	..	..	..	95	60	125	..	162	279	446	394	131	24	577	..	7	12	..	..	..	..	..	..	..	M.O. G. F. Bowman, £50 I. H. H. Turner, £110		
Lunesdale	417	..	..	..	42	1	61	..	1255	1498	60	165	458	22	..	..	..	2	..	..	..	..	..	..	..	M.O. B. J. Acheson £50 I. E. Ellis, £240		
Preston	2	..	..	422	..	When required	2	32	73	105	3—Orders made	2737	2737	960	..	511	1814	433	..	..	22	..	..	..	..	..	..	..	M.O. C. J. Trimble, £200 I. T. Ashcroft, £282	

DISTRICT.	Refuse Destructors provided.	CANAL BOATS.		Public Abattoirs provided.	DAIRIES, COWSHEDS, &c.				NUISANCES.				CLOSET ACCOMMODATION.														SMOKE OBSERVATIONS.		MEDICAL OFFICER OF HEALTH AND INSPECTOR OF NUISANCES (1920), WITH SALARIES. (a) No claim for repayment of salary. The salaries given in this table are the amounts approved by the Ministry of Health (including the approved War Bonus) as shown on the last claim for repayment.	
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Sefton	62	40	58	98	..	783	817	..	119	Not known	..	7	£5 per closet	M.O. J. C. Bradshaw, £215 6s. 10d. I. F. Pool, £182 3s. 7d.		
Ulverston	143	..	When required	..	18	30	46	..	1476	2284	6	569	905	200	..	32	M.O. G. H. Patterson, £360 I. T. Hudson, £225		
Warrington	8	2	..	46	8	98	35	413	..	615	615	1746	406	470	873	13	6	11	M.O. T. A. Murray, £200 I. F. Kerfoot, £250		
West Lancashire	30	5	..	45	1	63	4	241	..	3281	3281	429	1016	693	82	30	9	M.O. G. E. Scholefield, £700 I. T. G. H. Hunter, £261 2s.		
Whiston	183	..	When required.	..	96	5	80	..	1580	2150	325	850	622	66	18	1	Half-cost	3	..	J. Ainsworth, £228 12s. 9d.	
Wigan	21	78	1	26	9	24	..	598	912	89	172	92	8	4	M.O. T. U. Mercer, £225 I. H. Brown, £220 M.O. G. H. Ormsby, £104 I. P. Fairclough £236		
TOTAL RURAL DISTRICTS	140	14	..	2921	64	4	2	1542	451	2841	3	21342	26430	8149	8041	10424	8040	4233	149	7	80	33	..	1	..	58	..		
TOTAL ADMINISTRA-TIVE COUNTY	28	523	50	12	6188	1145	36	51	21902	5335	43018	13	49857	69399	48980	83421	202300	167085	92179	1545	40	160	549	39	96	..	1448	15		

MEDICAL OFFICER OF HEALTH AND INSPECTOR OF NUISANCES (1920), WITH SALARIES.

(a) No claim for repayment of salary.

The salaries given in this table are the amounts approved by the Ministry of Health (including the approved War Bonus) as shown on the last claim for repayment.

M.O. J. C. Bradshaw, £215 6s. 10d.
I. F. Pool, £182 3s. 7d.
M.O. G. H. Patterson, £360
I. T. Hudson, £225
M.O. T. A. Murray, £200
I. F. Kerfoot, £250
M.O. G. E. Scholefield, £700
I. T. G. H. Hunter, £261 2s.
J. Ainsworth, £228 12s. 9d.
M.O. T. U. Mercer, £225
I. H. Brown, £220
M.O. G. H. Ormsby, £104
I. P. Fairclough £236

Canal Boats.—The number of canal boats inspected in 1920 was 523 in 22 districts, and 50 infringements of the Acts or Regulations were noted. In 1919, 377 boats were examined.

Slaughter-houses.—Public Abattoirs.—Reference is made by local Medical Officers of Health to the desirability of the abolition of the private slaughter-house in favour of the public abattoir ; and the hope is expressed that the arrangements as to the slaughtering of animals, which proved so satisfactory during war time, will be continued, as these arrangements greatly facilitated inspection and obviated nuisances often created by the killing of cattle, &c., in entirely unsuitable private slaughter-houses. According to returns from local Medical Officers of Health, the number of “registered” slaughter-houses is 344, and the number “licensed” 424.

The Minister of Health has appointed a Committee, consisting of representatives of the meat trade, of the various Government Departments concerned, and of expert officers of local Sanitary Authorities, to consider and report on the legislative and administrative measures necessary to secure adequate protection for the health of the people in connection with the slaughter of animals and distribution of meat for human consumption. The Committee has had under consideration the various aspects of the subject, and especially the licensing of private slaughter-houses ; the registration of purveyors ; inspection ; extension to the provinces of the law relating to unsound food in operation in London ; the number of slaughter-houses ; transport, &c.

PUBLIC ABATTOIRS.—In 12 districts public abattoirs have been provided, viz., in the Boroughs of Accrington, Chorley, Clitheroe, Colne, Darwen and Lancaster, and the urban districts of Fleetwood, Great Harwood, Lytham, Newton-in-Makerfield, Oswaldtwistle, and St. Annes-on-the-Sea.

The erection of a public abattoir is stated to be one of "the chief sanitary requirements" of Denton, Haslingden (B.), Hindley, Horwich, Littleborough, Morecambe (B.), and Nelson (B.).

Food Inspection. — **UN SOUND FOOD.** — The following summary shows approximately the amount of unsound or diseased food seized and destroyed in the County area during the year 1920 :—

On account of tuberculosis.—612 carcasses, or parts of carcasses.

For other reasons.—224 carcasses of cows, 9 calves, 169 sheep, 77 pigs, 1,293 rabbits, 13 pigeons, beef 8,224 lbs., veal 205 lbs., mutton 1,853 lbs., offal 9,141 lbs., pork 803 lbs., ham and bacon 3,429 lbs., fish 30,351 lbs., fruit and vegetables 18,532 lbs., eggs 1,565, tins of milk 359, tins of goods (assorted) 107, flour 9,240 lbs., butter 65 lbs., and miscellaneous food 11,055 lbs.

In two instances legal proceedings were successfully instituted, one defendant being fined £15 and costs, and another £10 and special costs.

CONTROL OF THE MILK SUPPLY.—Several references are made in local health reports to the great need for the re-organisation and improvement in the methods of production and distribution of milk. Owing to "the urgent need for economy in expenditure," the Government has deemed it inadvisable to bring into operation the Milk and Dairies (Consolidation) Act of 1915, under which County Councils would be called upon to make arrangements for the inspection of dairy farms and dairy cattle. Action taken under the Sale of Food and Drugs Acts, in regard to dirt in milk, is referred to in the extracts from the County Analyst's report given on page lxxxv.

BACTERIOLOGICAL EXAMINATION OF MILK.—From six districts 51 samples of milk were submitted for bacteriological examination; in two instances tubercle bacilli were found to be present.

BAKEHOUSES.—The number of bakehouses in the Administrative County is given as 2,024.

Dairies, Cowsheds, and Milkshops. — Table “J,” inserted opposite page lxviii., gives particulars regarding the number of cowkeepers, dairymen, and purveyors of milk in each sanitary district. The approximate totals for the whole Administrative County are:—

Number of cowkeepers	...	...	...	...	6,188
„ dairymen or purveyors of milk	...	...	...	...	1,145

Regulations under the Dairies, Cowsheds, and Milkshops Order, 1885, have been adopted in every County district, except Little Crosby, where there are only two cowkeepers. Many of these Regulations are obsolete and in need of early revision.

The usual references are made by local Medical Officers of Health to the unsatisfactory condition of cowsheds and farm premises generally.

Arrangements for the examination of cattle by veterinary surgeons have been made in 36 districts.

Lodging-houses. — According to the returns of local Medical Officers of Health, there are 123 lodging-houses in the County area.

Smoke Observations.—Observations in 1920 numbered 1,448, as compared with 1,039 last year, and 860 in 1918. Table “J,” page lxviii, shows the districts in which the observations were taken.

A Committee appointed by the Minister of Health “to study the present state of the law with regard to the pollution of the air by smoke and other noxious vapours, and its administration, and to advise what steps are desirable and practicable with a view to diminishing the evils arising from such pollution” has taken evidence, and in June, 1920, published an Interim Report.

Scavenging and Refuse Removal. — The work of scavenging and refuse removal is undertaken by the Council in 96 districts, in 7 districts it is performed by contract, in 7 districts by the Authority and by contract jointly, and in 12 districts owners and occupiers of property are mainly responsible for the removal of refuse. It is stated by the local Medical Officers of Health that in 6 districts the work is “not satisfactory,” and only “fair” in 12 districts. In a few districts nightsoil removal still takes place in the day time. Increased attention is being devoted to salvage. Motor transport in connection with the removal of refuse is extending.

REFUSE DESTRUCTORS—Destructors have been erected in 28 districts; these are shown on Table “J.” In 2 districts the apparatus provided has been dismantled. Medical Officers of Health of the following districts urge the provision of refuse destructors:—Denton, Great Crosby, Hindley, Littleborough, Newton-in-Makerfield, Orrell, Rishton, and Whitworth.

House Drainage, Sewerage, and Sewage Disposal.—The Ministry of Health require to be included in each district health report a statement as to the character and sufficiency of the arrangements for the drainage, sewerage, and sewage disposal in all parts of the district.

In this County a very large area comes under the jurisdiction of the Mersey and Irwell and the Ribble Watershed Committees as regards the method of sewage treatment and disposal.

In several districts reconstruction schemes are still held up mainly on financial grounds. In other areas extensions of sewers and improvements to sewage works have been carried out. The continued pollution of streams is referred to in a few cases.

The following areas, or townships, are reported as being without proper drainage systems :—

Urban Districts.	Area Without Proper Drainage System.
Accrington (B.)	... Higher Baxenden.
Aspull	... Hindley Mill—4 cottages.
Audenshaw...	... Stelfox Lane and part of Hanover Street South.
Brierfield	... Marsden Heights.
Chadderton	... About 600 acres in the outlying districts.
Chorley (B.)	... South-west of Cowling works to Common Bank near the river.
Croston	... Drinkhouse Lane and Grape Lane.
Droylsden	... Portion of Greenside.
Formby	... Freshfield and part of Formby.
Haydock	... Two small areas containing 25 and 43 houses respectively.
Heywood (B.)	... Birch and Top o'th Wood.
Hindley	... Platt Bridge.
Horwich	... Factory Hill, Foxholes, &c.
Little Hulton	... A fairly large portion of the township.
Little Lever	... Dove Bank and Leadbeater Fold.
Middleton (B.)	... Birch and Bowlee.
Milnrow	... Broad Lane, Burnedge.
Newton-in-Makerfield	... Vulcan Village and Vitriol Square.

Urban Districts.	Area Without Proper Drainage System.
Norden ...	... Lanehead and Wolstenholme.
Oswaldtwistle ...	... Knuzden and Cross Edge.
Poulton-le-Fylde ...	... Little Poulton.
Preesall ...	... Preesall Village and Park.
Prestwich ...	... Simister Lane area.
Radcliffe ...	... About 93 houses in Starling district.
Royton ...	... Two small portions of district.
Skelmersdale ...	... Small portion of district which new sewerage scheme will include.
Swinton and Pendlebury	Forty houses at Langley Road, Pendlebury.
Thornton ...	... Part of East Ward.
Tottington ...	... Hawkshaw and Greenmount. Application made to borrow £38,000 for drainage improvements.
Upholland ...	... Roby Mill.
Whitefield ...	... Park Lane. New disposal works in course of construction.

Rural Districts.

Barton-upon-Irwell..	Portions of Davyhulme, Flixton, and Clifton.
Burnley ...	... Cliviger, Foulridge (detached), Higham, and Old Laund Booth.
Bury ...	... The more rural parts of all the townships.
Chorley ...	... Several townships.
Clitheroe ...	... Aighton, Chaigley, Little Bowland, Little Mitton, Chipping, Leagram, Pendleton, and Downham.
Fylde ...	... Treales, Wharles, and part of Warton.
Garstang ...	... All townships except six.
Lancaster ...	... Overton, Priest Hutton, Silverdale, Yealand Conyers, and Yealand Redmayne.

Rural Districts.	Area Without Proper Drainage System.
Leigh ...	... Lowton, Culcheth, and Kenyon.
Limehurst ...	... Alt, Hartshead, Little Moss, and Wood- houses.
Lunesdale ...	... Over Kellet.
Preston ...	... Longton, Penwortham, Little Hoole, Goosnargh, Whittingham, Wood- plumpton, and Dutton.
Sefton ...	... Certain areas all over district.
Warrington	... Poulton-with-Fearnhead.
West Lancashire	... All except Aughton, and parts of Bicker- staffe and Tarleton.
Whiston ...	... Cronton, Tarbock, Knowsley, Speke, and parts of others.
Wigan ...	... Wrightington, Shevington, Parbold, Dalton, Worthington, and part of Haigh.

Water Supplies.—The information as to water supply required to be contained in district health reports should comprise a statement as to the sufficiency and quality of the water supply of the district and its several parts. . . . The source or sources of the supply and possibilities of contamination should be stated, &c.

The majority of the populous areas in the County are well supplied with wholesome water, on the constant system, but in outlying parts of certain urban districts and in many rural areas the supply is inadequate or of doubtful character.

Unsatisfactory or insufficient supplies are referred to in :—

Heysham ...	... Sandylands and Heysham.
Oswaldtwistle	... West End.
Burnley (R.)	... Roughlee.
Chorley (R.)	... Bretherton and a portion of Coppull.
Fylde (R.) ...	... Treales and Wharles.

Garstang (R.)	... Pilling, Winmarleigh, Myerscough, and portions of nine other townships.
Lancaster (R.)	... Cockerham, Thurnham, Glasson Dock, Silverdale, and Priest Hutton.
Leigh (R.) ...	... Culcheth.
Lunesdale (R.)	... Melling and Arkholme.
Preston (R.)	... Woodplumpton, Lea, and Cottam.
Ulverston (R.)	... Haverthwaite, Backbarrow (Colton), Leece, Dendron, and Gleaston.
Warrington (R.)	... Rixton.
West Lancashire (R.)	Hesketh and Tarleton.
Wigan (R.)	... Dalton and Wrightington.

Shops Acts, 1912-1920.—Three applications under the Shops Acts were received and investigated during the year 1920, one for an order to fix the day of the weekly half-holiday, one for revision of a general closing order, and one for revocation of a holiday resort exemption order and extension of the weekly half-holiday order. In each instance the application was granted. A number of offences against the Acts, or Orders made thereunder, were dealt with, and in three instances legal proceedings were instituted.

On the 3rd December, 1920, the Shops (Early Closing) Act, 1920, came into operation, continuing in force without alteration (but as an Order under the Shops Act) until the 31st December, 1921, the general Early Closing Orders for shops which have been made under No. 10B of the Defence of the Realm Regulations. The duty of enforcing the Order, which had hitherto rested with the police, is by the new Act transferred to the Local Authorities under the Shops Acts.

Midwives Acts, 1902 and 1918.—The County Council is the “Local Supervising Authority” responsible for the administration of the Midwives Acts in the Administrative County area.

The number of certified midwives on the County Register on the 31st December, 1920, was 645.

During the year the names of 117 women were removed from the Register for the following reasons :—deaths 8, left County area 3, ceased to practise 106. The names of 61 midwives commencing to practise were added, and 14 who had previously ceased recommenced to practise.

The tabular statement below shows the qualifications of the women on the Register :—

Obstetrical Society of London	...	...	27
Coombe Lying-in Hospital and Guinness' Dispensary, Dublin	...	...	1
Rotunda Hospital, Dublin	...	...	1
Liverpool Ladies' Charity and Lying-in Hospital	...	...	18
St. Mary's Hospitals, Manchester	...	...	23
Cork Lying-in Hospital, Cork	...	...	1
Certificate (by examination) of Central Midwives Board	...	...	322
In <i>bonâ-fide</i> practice, July, 1901	...	...	252
Total	...	...	645

Of these, 637 were practising; 8 had temporarily ceased to act.

In the year 1905 there were 876 of the *bonâ-fide* type of midwife on the County Register, 83 per cent. of the total, but these have now been reduced to 252, or 39 per cent. The proportion of midwives practising in the County qualified by training and examination rose therefore from 17 per cent. in 1905 to 60 per cent. in 1920.

The number of women certified under the Act by the Central Midwives Board, and whose names appear on the Official Roll with addresses in the Administrative County area, is nearly 2,000.

RECORDS FROM MIDWIVES.—The statement below shows the number of records received from certified midwives during 1920 :—

MEDICAL HELP RECORDS :—

(1) In all cases in which a woman during pregnancy, labour, or lying-in, appears to be dying or is dead 1

(2) Pregnancy—

Deformity or stunted growth	...	...	...	—
Loss of blood	...	...	...	69
Abortion or threatened abortion	...	...	...	114
Excessive sickness	...	...	...	—
Puffiness of hands or face	...	...	...	6
Fits or convulsions	...	...	...	—
Dangerous varicose veins	...	...	...	3
Purulent discharge	...	...	...	1
Sores of the genitals	...	...	...	1
Other abnormalities or complications	...	...	...	23

(3) Labour—

Fits or convulsions	...	...	...	...	6
A purulent discharge	...	...	...	...	2
Sores of the genitals	...	...	...	...	—
A malpresentation	...	...	...	...	} 250
Presentation other than the uncomplicated head or breech	...	...	...	...
Where no presentation can be made out	...	...	...	...	7
Where there is excessive bleeding	...	...	...	...	77
Where two hours after the birth of the child the placenta and membranes have not been completely expelled	...	...	...	...	161
In cases of serious rupture of the perinæum or of other injuries of the soft parts	...	...	...	...	843
Other complications, including obstructed labour, uterine inertia, or requiring instrumental assistance	...	...	...	...	1491

(4) Lying-in—

Fits and convulsions	...	...	...	...	9
Abdominal swelling and tenderness	...	...	...	...	1
Offensive lochia, if persistent	...	...	...	...	—
Rigor with raised temperature	...	...	...	...	6
Rise of temperature above 100·4°F. with quickening of the pulse for more than 24 hours	...	...	...	...	132
Unusual swelling of the breasts with local tenderness or pain	...	...	...	...	4
Secondary post-partum hæmorrhage	...	...	...	...	5
White leg	...	...	...	...	4
Unsatisfactory progress or complications	...	...	...	...	84

(5) The Child—

Injuries received during birth	...	...	...	1
Any malformation or deformity endangering the child's life...	...	...	...	3
Dangerous feebleness	...	...	...	274
Inflammation of, or discharge from, the eyes, however slight	...	...	...	432
Serious skin eruptions, especially those marked by the formation of watery blisters	...	...	...	7
Inflammation about, or hæmorrhage from, the navel	...	...	...	6
Other complications	...	...	...	226
Total	...	...	...	4249

STILL-BIRTHS :—

Males 252, Females 227 ... 479

DEATHS OF MOTHER OR CHILD BEFORE ATTENDANCE
OF A MEDICAL PRACTITIONER :—

Mother 10, Child 52 ... 62

NOTICES—SUBSTITUTION OF ARTIFICIAL FOR BREAST

FEEDING... 273

NOTICES—LIABILITY TO BE A SOURCE OF INFECTION 80

LAYING OUT THE DEAD ... 18

The following table compares the number of Records, &c., received from certified midwives during the year 1920, with preceding years :—

	1920.	1919.	1918.	1917.
Records of sending for medical help ...	4249	2779	2078	2271
Still-births ... Male ... 252 } Female ... 227 }	479	196 } 381 } 185 }	163 } 305 } 142 }	201 } 361 } 160 }
Deaths of Mother or Child before the attendance of a medical practitioner ...	62	58	45	42
... Mother ... 10 } Child ... 52 }		6 } 52 }	4 } 41 }	5 } 37 }
Substitution of artificial for breast feeding ...	273	...	...	...
Liability to be a source of infection ...	80	...	...	...
Laying-out the dead ...	18	...	...	...

Medical Help Records.—It is computed that of the births attended by certified midwives in 1920 medical assistance was required in about 19 per cent. of the cases. The increase in the number of medical help records received is due to the greater number of births attended and to some extent to the fact that books of forms, with clearly printed instructions, are now supplied free by the Local Supervising Authority.

Still-births.—As shown on the previous page, the number of still-births reported by midwives practising in the County area increased from 381 in 1919 to 479 in the year under report. The following statement compares 1920 with preceding years, giving the percentage of still-births reported by midwives practising in the County area to the total births attended by them :—

Year.	No. of Births attended by Certified Midwives practising in County area.	No. of Still-births reported by Certified Midwives.	Percentage of Still-births reported by Midwives to total births attended by them.
1915	20,941	392	1·87
1916	17,069	397	2·32
1917	15,592	361	2·31
1918	14,966	305	2·03
1919	16,240	381	2·34
1920	21,843	479	2·19

NUMBER OF CONFINEMENTS ATTENDED BY MIDWIVES.—The following statement shows the number of births attended by midwives in the County area during the year 1920 and

previous years. Midwives on the Register as “ practising ” but who did not actually attend any cases are excluded, and the figures also exclude the births attended by midwives residing in County Boroughs who only take an occasional case in the County area :—

Year.	Total Births in County area.	No. of Births attended by practising Midwives (excluding County Boro. Midwives).	Percentage of births attended by Midwives to total births.	No. of “ Medical Help ” Records received.
1915	34,595	19,981	57·7	2,391
1916	32,695	16,530	50·5	2,502
1917	28,420	14,928	52·5	2,271
1918	27,736	14,333	51·6	2,078
1919	28,799	15,584	54·1	2,779
1920	39,767	20,761	52·2	4,249

In the year 1920, 52 midwives attended over 100 cases.

37	„	between 75 & 100 „
76	„	„ 50 & 75 „
107	„	„ 25 & 50 „
182	„	„ 5 & 25 „
110	„	less than 5 cases.

PUERPERAL FEVER.—The number of cases of “ puerperal fever ” reported during 1920, in connection with the administration of the Midwives Acts, was 135.

The table below contrasts 1920 with the preceding six years :—

	Cases.	Deaths.	Case Mortality	Attack Rate per 1,000 births.
1920.....	135 ...	*51 ...	37·2 ...	3·39
1919.....	75 ...	†33 ...	42·8 ...	2·60
1918.....	49 ...	‡22 ...	44·0 ...	1·80
1917.....	59 ...	17 ...	28·8 ...	2·07
1916.....	94 ...	§26 ...	27·3 ...	2·87
1915.....	93 ...	31 ...	33·3 ...	2·68
1914.....	145 ...	53 ...	36·3 ...	3·76

* Includes 2 deaths of cases not notified.

† Includes 2 deaths of cases notified in previous year.

‡ Includes death of a case not notified.

§ Includes death of a case notified in previous year.

The number of cases in 1920 was, with the exception of the year 1914, the highest since 1909, and the attack-rate per 1,000 births was in excess of the previous five years.

The preceding mortality totals do not coincide with the deaths classified by the Registrar-General under the term “ puerperal fever,” which in 1920 aggregated 81. This apparent discrepancy is due to the fact that the Registrar-General in his statistics assigns to the term “ puerperal fever ” certain forms of disease of the puerperal state which are not usually reported by medical practitioners under the Notification Act.

In the following statement, the notified cases of puerperal fever are classified, distinguishing those in which midwives were concerned :—

	1920.			1919.		
	Cases.	Deaths.	Mortality rate per cent.	Cases.	Deaths.	Mortality rate per cent.
Cases attended at child-birth solely by certified midwives	56	.. *16	.. 28·0	37	.. †16	.. 42·1
Cases in which midwives acted as nurses under the supervision of medical practitioners	41	.. 16	.. 39·0	14	.. 6	.. 42·8
Cases in which certified midwives were not in attendance	38	.. *19	.. 48·7	24	.. †11	.. 44·0

* Includes death of a case not notified.

† Includes death of a case notified in previous year.

The cases which occurred in the practice of midwives were carefully investigated. In addition, enquiries were made into 138 cases of rise of temperature or rigor.

CHARGES OF NEGLIGENCE, MISCONDUCT, &c.—The disciplinary action taken during 1920 is shown in the table below. The number of charges against midwives was 74, as compared with 51 in the preceding year. In addition, a number of minor breaches of the Rules came under notice and were suitably dealt with.

	Total No. of charges.	Result of action taken.				
		Struck off the Roll.	Sur- rendered Certificate and name removed from Roll.	Ap- peared before Mid- wives Act Com- mittee and severely censured	Severely cen- sured by letter.	Cau- tioned by letter.
Puerperal fever cases	11	...	...	...	...	11
Ophthalmia neo- natorum cases	53	...	...	4	2	47
Other offences ...	10	...	1	3	...	6

OPHTHALMIA NEONATORUM.—By notifications under the Public Health (Ophthalmia Neonatorum) Regulations and by medical help records forwarded by midwives, 665 “eye cases” came under notice in the year 1920; of these, 464 were “notified” as ophthalmia neonatorum. In 1919 the total eye cases were 447, and 317 in 1918. Of the 464 ophthalmia cases, 155 were doctors’ cases, that is, no midwife

was in attendance, or was only present in the capacity of nurse. All the cases occurring in the practice of midwives were investigated. In 53 instances, as shown in the preceding table, the midwife had been negligent as regards the case or had failed to comply with the requirements as to sending records.

PAYMENTS OF DOCTORS' FEES—EMERGENCY CASES.—Under the Midwives Act, 1918, the number of accounts received from medical practitioners up to the 31st December, 1920, in respect of cases to which they were summoned by midwives in “cases of emergency” was 198, and the total amount involved £345 1s. Under the scale of family income adopted by the County Public Health Department, £175 19s. 4d. had to be borne by the County Council; of the remaining £169 1s. 8d., a sum of £103 4s. 11d. has, up to the present time (August, 1921) been recovered.

PROSECUTIONS—UNCERTIFIED WOMEN ACTING AS MIDWIVES.—In two instances in 1920 it was necessary to institute legal proceedings against two women for habitually and for gain attending women in confinement, although not certified under the Midwives Acts. In one case the woman had been previously fined £7 for similar offences, and on this occasion was fined £5 and costs, the Bench intimating that the penalty would have been heavier if the defendant's solicitor had not given the Court an undertaking that his client would cease to act as a midwife. In the other case, a woman struck off the Roll for misconduct, but continuing to practice after warnings, was fined over £20.

NEW OR REVISED RULES.—The Central Midwives Board framed certain new or revised Rules, which have been approved by the Minister of Health, and which came into operation on the 1st January, 1921. The revision referred

mainly to the duties of midwives in cases of emergency requiring the attendance of medical practitioners and in regard to the payment of doctors for such services.

On the 1st July, 1921, the whole of the Rules of the Board were revised.

Sale of Food and Drugs Acts.—The County Analyst (Mr. Collingwood Williams, B.Sc., F.I.C.), in his report for the year 1920 to the Public Health and Housing Committee, states that 4,732 samples have been submitted for analysis during the year, of which 4,408 were from the County Police and 324 from Inspectors of Local Authorities.

Of the samples submitted by the Police, 358 were adulterated or not up to standard, being 8·12 per cent. of the number taken, as compared with 12·40 per cent. in 1919. The percentage of adulterated samples varied from 3·8 per cent. in the Widnes Division to 20·7 per cent. in the Seaforth Division.

Of the samples submitted by Local Authorities, 40, or 12·34 per cent. were reported against.

The greater proportion of the above cases were of too slight a character to justify legal proceedings, the percentage of serious cases being only 3·34 per cent., as compared with 5·16 per cent. in 1919.

MILK.—Two thousand nine hundred and thirty-seven samples (62·1 per cent. of the total samples taken) were purchased as milk or skimmed milk.

The number of adulterated, deficient, or dirty samples was 316, or 10·76 per cent. (as compared with 16·85 per cent. in 1919) out of which only 4·46 per cent. were serious cases.

The character of the adulteration in the condemned samples was as follows :—

Nature of Adulteration.	Percentage of samples analysed.	
	1920.	1919.
Added water exceeding 4%	... 1.22	2.55
Do. less than 4%	... 1.16	3.55
Fat deficiency exceeding 10%	... 2.31	2.32
Do. less than 10 %	... 2.48	3.81
Cowdung exceeding 5 parts by volume per 100,000	1.12	1.89
Do. exceeding 2 parts, but not exceeding 5	... 3.30	4.21
Dirt other than cowdung	... 0.03	0.06

No sample of milk in 1920 contained preservatives.

It will be seen that there is a very marked decrease in the number of watered milks. This follows a similar decrease observed last year, and the percentage of milk adulteration from all causes is now less than in any previous year of which records are available.

The milks have also been cleaner than they have ever been since systematic examination for cowdung was commenced in 1916.

The following statement shows the extent to which the condemned samples were adulterated :—

24	contained from 4 to 10%	added water
8	„ „	10 to 20% „
and 4	„	24, 30, 35 and 50% added water respectively ;
34	showed a deficiency in fat from 10 to 15%	
27	„ „	„ 15 to 30%
6	„ „	„ 30 to 45%
and 1	„ „	of 55%
77	contained from 2 to 3 parts by volume of cowdung per 100,000	
33	„	4 to 5 „ „
9	„	6 to 7 „ „
6	„	8 to 9 „ „
5	„	more than 10 „ „

the highest amount being 18 parts.

It is quite clear from the foregoing results, based as they are on some 3,000 samples of commercial milk, that amounts exceeding 5 parts of cowdung per 100,000 can hardly occur without gross carelessness, and that even as little as 2 parts can easily be avoided with reasonable care and cleanliness in milking.

The average composition of the milk purchased for analysis in the County for the past three years is shown in the following table :—

Month.				% Fat.			% Non-fatty Solids.		
				1918.	1919.	1920.	1918.	1919.	1920.
January	...	...	...	3·72	3·60	3·51	8·92	8·81	9·01
February	...	...	...	3·64	3·66	3·56	8·87	8·91	8·93
March	...	...	...	3·60	3·59	3·63	8·85	8·91	8·94
April...	...	...	...	3·61	3·62	3·58	8·83	8·92	8·95
May	...	...	...	3·53	3·41	3·67	8·87	8·94	8·99
June	...	...	...	3·51	3·39	3·59	8·87	8·85	9·04
July	...	...	...	3·54	3·58	3·68	8·77	8·86	8·94
August	...	...	...	3·69	3·61	3·73	8·86	8·67	8·84
September	...	...	...	3·78	3·84	3·88	8·88	8·94	8·94
October	...	...	...	3·90	3·88	3·84	8·75	8·98	8·94
November	...	...	...	3·90	3·89	3·91	8·84	9·07	8·94
December	...	...	...	3·64	3·62	3·81	8·83	8·96	8·94
Annual Average	...	...	...	3·67	3·65	3·68	8·84	8·91	8·96
No. of Samples	...	...	...	3396	2993	2889	3396	2993	2889

As usual, this table illustrates the fact that the average quality of the milks taken for analysis is throughout the year

much above the statutory limits of 3·0 per cent. fat and 8·5 per cent. non-fatty solids, in spite of the inclusion of many adulterated samples.

INFORMAL SAMPLES.—One thousand seven hundred and nineteen samples were taken informally in the first instance, *i.e.*, without notification that they were purchased for analysis or division into three parts.

Table K appended gives details of the articles analysed and the number of adulterations.

Prosecutions numbered 80, and the total amount of fines and penalties £399 3s. 1d. Details are shown in Table L. In the year 1919 there were 126 prosecutions, and the fines &c., amounted to £662 0s. 3d.; in 1918, 151 prosecutions, fines, &c., £902 9s. 7½d.

SALE OF FOOD AND DRUGS ACTS.

TABLE K.—GIVING DETAILS OF THE SAMPLES TAKEN IN THE ADMINISTRATIVE COUNTY DURING 1920.

DIVISION.	Milk.		Butter.		Margarine.		Spices and Condiments		Beer.		Other Articles of Food.		Drugs.		Totals.		Percentage of Adulterated Samples.
	*	†	*	†	*	†	*	†	*	†	*	†	*	†	*	†	
Lonsdale North	57	11	1	...	15	...	6	...	1	...	41	...	0	...	121	11	9.1
Lonsdale South	24	4	0	...	1	...	18	1	0	...	71	4	0	...	114	9	7.9
Garstang	56	8	0	...	0	...	7	...	0	...	12	...	0	...	75	8	10.7
Kirkham	56	7	0	...	0	...	18	...	0	...	50	7	22	1	146	15	10.3
Blackburn Lower	111	9	0	...	4	...	19	...	16	6	71	2	0	...	221	17	7.7
Blackburn Higher	222	17	0	...	0	...	36	1	5	1	72	1	23	1	358	21	5.9
Church	102	4	1	...	6	...	9	...	1	...	59	4	1	...	179	8	4.5
Rossendale	136	7	0	...	0	...	0	...	2	...	1	...	0	...	139	7	5.0
Leyland	131	12	3	...	25	...	13	...	0	...	72	3	6	...	250	15	6.0
Bolton	197	12	0	...	2	...	35	...	1	...	49	1	0	...	284	13	4.6
Bury	165	20	0	...	0	...	25	1	7	...	62	3	1	...	260	24	9.2
Rochdale	279	39	21	5	18	...	0	...	1	...	23	...	0	...	342	44	12.9
Ashton-under-Lyne.....	154	10	0	...	4	...	14	...	0	...	38	...	0	...	210	10	4.8
Manchester	271	31	8	...	9	...	74	1	8	2	153	4	25	4	548	42	7.7
Seaforth	145	30	0	...	0	...	0	...	0	...	0	...	0	...	145	30	20.7
Ormskirk	59	7	0	...	10	...	14	...	1	...	38	5	0	...	122	12	9.8
Prescot	35	5	1	...	0	...	13	...	3	...	26	...	1	...	79	5	6.3
Widnes	37	3	2	...	14	...	21	...	0	...	56	2	0	...	130	5	3.8
Warrington	222	20	17	...	19	...	20	1	2	...	51	8	0	...	331	29	8.8
Wigan	201	21	3	...	8	...	32	1	10	4	97	7	3	...	354	33	9.3
County Police	2660	277	57	5	135	...	374	6	58	13	1042	51	82	6	4408	358	8.12
Local Authorities	277	39	2	...	1	...	16	...	0	...	25	1	3	...	324	40	12.34
Other Purchasers .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	2937	316	59	5	136	...	390	6	58	13	1067	52	85	6	4732	398	...
							(a)				(b)		(c)				
Percentage of Adulteration.....	10.76		8.47		0.0		1.54		22.4		4.87		7.06		8.41		...

* No. of Samples. † No. Adulterated.

The 324 samples taken by Local Authorities include—Boroughs of Darwen 21, Middleton 52, and Nelson 23; Urban District Councils of Chadderton 12, Denton 10, Great Crosby 1, Horwich 8, Lytham 39, St. Annes-on-the-Sea 41, Stretford 50, Swinton and Pendlebury 13, Westhoughton 47, and Rural District Council of Warrington 7.

(a) Black Pepper 1, Cayenne 2, Cinnamon 3, Ginger 132, Ground Spice 1, Mustard 26, Pepper 207, Sauce 2, Vinegar 16. Total, 390.

(b) Arrowroot 50, Bacon 13, Baking Powder 70, Barley 14, Beef Tea Cubes 1, Bicarbonate of Soda 14, Blanc Mange Powder 1, Bread 1, Breakfast Oats 1, Bun Flour 5, Cheese 33; Chicken, Ham, and Tongue 1; Chicken and Tongue 1; Cocoa 45, Coffee 212, Coffee and Chicory 3, Coffee and Milk 1, Cocoonut 3, Condensed Milk 3, Cornflour 16, Cream 2, Cream of Tartar 38, Currants 16, Custard Powder 13, Dripping 2, Egg Powder 7, Flour 105, Gravy Browning 1, Ground Almonds 20, Ground Rice 18, Ham and Tongue 1, Honey 2, Jam 6, Jelly Powder 1, Lard 130, Lemonade Powder 1, Lemon Cream 3, Linseed Meal 1, Lobster Paste 1, Meat Paste 1, Milk Cocoa 2, Oatmeal 24, Olive Oil 2, Pilchards 1, Plasmon Cocoa 1, Potted Beef 2, Potted Shrimps 5, Preserved Eggs 1, Rice 36, Sago 20, Self raising Flour 21, Semolina 1, Sugar 5, Sweets 1, Syrup 1, Tapioca 22, Tartaric Acid 7, Tea 41, Tinned Lobster 1, Tinned Sausage 1, Toffee 1, Treacle 2, Yeast 12. Total, 1,067.

(c) Boracic Acid 2, Boracic Ointment 2, Borax 2, Camphor 1, Chlorate of Potash Lozenges 3, Epsom Salts 34, Flowers of Sulphur 2, Fuller's Earth 1, Glycerine 2, Gregory Powder 2, Health Salts 4, Liquorice Powder 8, Magnesia 12, Seidlitz Powder 1, Vaseline 2, Zinc Ointment 7. Total, 85.

SALE OF FOOD AND DRUGS ACTS.

TABLE L.—PROSECUTIONS ARISING OUT OF SAMPLES PURCHASED DURING
THE YEAR 1920.

DIVISION.	Number of Prosecutions.	Number Convicted or Ordered to Pay Costs.	Number Withdrawn.	Number of Dismissals.		Fines and Costs.
				On Warranty.	For other Reasons.	
Lonsdale North	3	3	...	...	...	£ s. d. 15 4 0
Lonsdale South	0	...	...	...	...	...
Garstang	1	...	1	...	...	...
Kirkham	3	3	...	...	...	18 19 10
Blackburn Lower.....	5	5	...	...	...	19 17 3
Blackburn Higher	2	2	...	...	...	5 10 6
Church	1	1	...	...	...	3 2 0
Rossendale	2	2	...	...	...	21 10 4
Leyland	2	2	...	...	...	5 19 0
Bolton	2	2	...	...	...	5 13 1
Bury	5	5	...	...	...	78 15 10
Rochdale	17	14	...	3	...	80 19 3
Ashton-under-Lyne.....	5	4	...	...	1	14 18 0
Manchester	5	1	...	...	4	2 17 0
Seaforth	6	6	...	...	...	41 17 7
Ormskirk	3	3	...	...	...	11 19 2
Prescot	1	1	...	...	...	2 7 3
Widnes	0	...	...	...	...	...
Warrington	1	...	...	...	1	...
Wigan	8	8	...	...	...	47 4 8
County Police	72	62	1	3	6	376 14 9
Local Authorities.....	8	6	...	...	2	22 8 4
Totals	80	68	1	3	8	399 3 1

